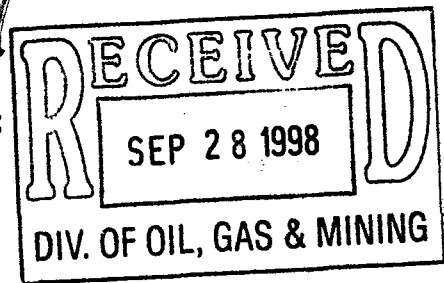




RESOURCES INC.  
September 25, 1998



State of Utah  
Division of Oil, Gas & Mining  
P.O. Box 145801  
1594 West North Temple Suite 1210  
Salt Lake City Utah 84114-5801

**ATTENTION: Lisha Cordova**

**RE: Odekirk Spring #1-36-8-17  
Odekirk Spring #9-36-8-17  
Odekirk Spring #15-36-8-17**

**Odekirk Spring #8-36-8-17  
Odekirk Spring #10-36-8-17  
Odekirk Spring #16-36-8-17**

Dear Lisha,

Enclosed is the original and two copies of the Application For Permit To Drill, for the above referenced locations, and a copy of the Archaeological Survey Report.

Please do not hesitate to contact me if you have any questions in the Vernal Branch Office, (435) 789-1866.

Sincerely,

Cheryl Cameron  
Regulatory Specialist

/cc  
Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

1b. TYPE OF WELL

OIL ☒ GAS ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

**Inland Production Company**

3. ADDRESS AND TELEPHONE NUMBER:

**P.O. Box 790233 Vernal, UT 84079**

**Phone: (801) 789-1866**

4. LOCATION OF WELL (FOOTAGE)

At Surface **NE/NE 20' 20'**

At proposed Producing Zone **660' FNL & 660' FEL**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**15.7 Miles southeast of Myton, Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

**660'**

16. NO. OF ACRES IN LEASE

**640**

17. NO. OF ACRES ASSIGNED TO THIS WELL

**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

19. PROPOSED DEPTH

**6500'**

20. ROTARY OR CABLE TOOLS

**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

**5029.9' GR**

22. APPROX. DATE WORK WILL START

**4th Quarter 1998**

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE  | SIZE OF CASING | WEIGHT/FOOT  | SETTING DEPTH | QUANTITY OF CEMENT               |
|---------------|----------------|--------------|---------------|----------------------------------|
| <b>12 1/4</b> | <b>8 5/8</b>   | <b>24#</b>   | <b>300'</b>   | <b>120 sx</b>                    |
| <b>7 7/8</b>  | <b>5 1/2</b>   | <b>15.5#</b> | <b>TD</b>     | <b>400 sx followed by 330 sx</b> |
|               |                |              |               | <b>See Detail Below</b>          |

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

**The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

**SURFACE PIPE - Premium Plus Cement, w/ 2% Gel, 2% CaCl<sub>2</sub>, 1/4# Flocele/sk**

Weight: 14.8 PPG YIELD: 1.37 Cu Ft/sk H<sub>2</sub>O Req: 6.4 gal/sk

**LONG STRING - Lead: Hibond 65 Modified**

Weight: 11.0 PPG YIELD: 3.00 Cu Ft/sk H<sub>2</sub>O Req: 18.08 gal/sk

Tail: Premium Plus Thixotropic

Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 gal/sk

24.

Name & Signature

*Cheryl Cameron*  
**Cheryl Cameron**

Title:

**Regulatory Specialist**

Date:

**9/22/98**

(This space for State use only)

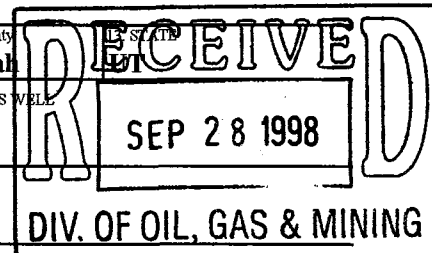
API Number Assigned:

**43-047-33195**

APPROVAL:

*[Signature]*

**12/1/98**

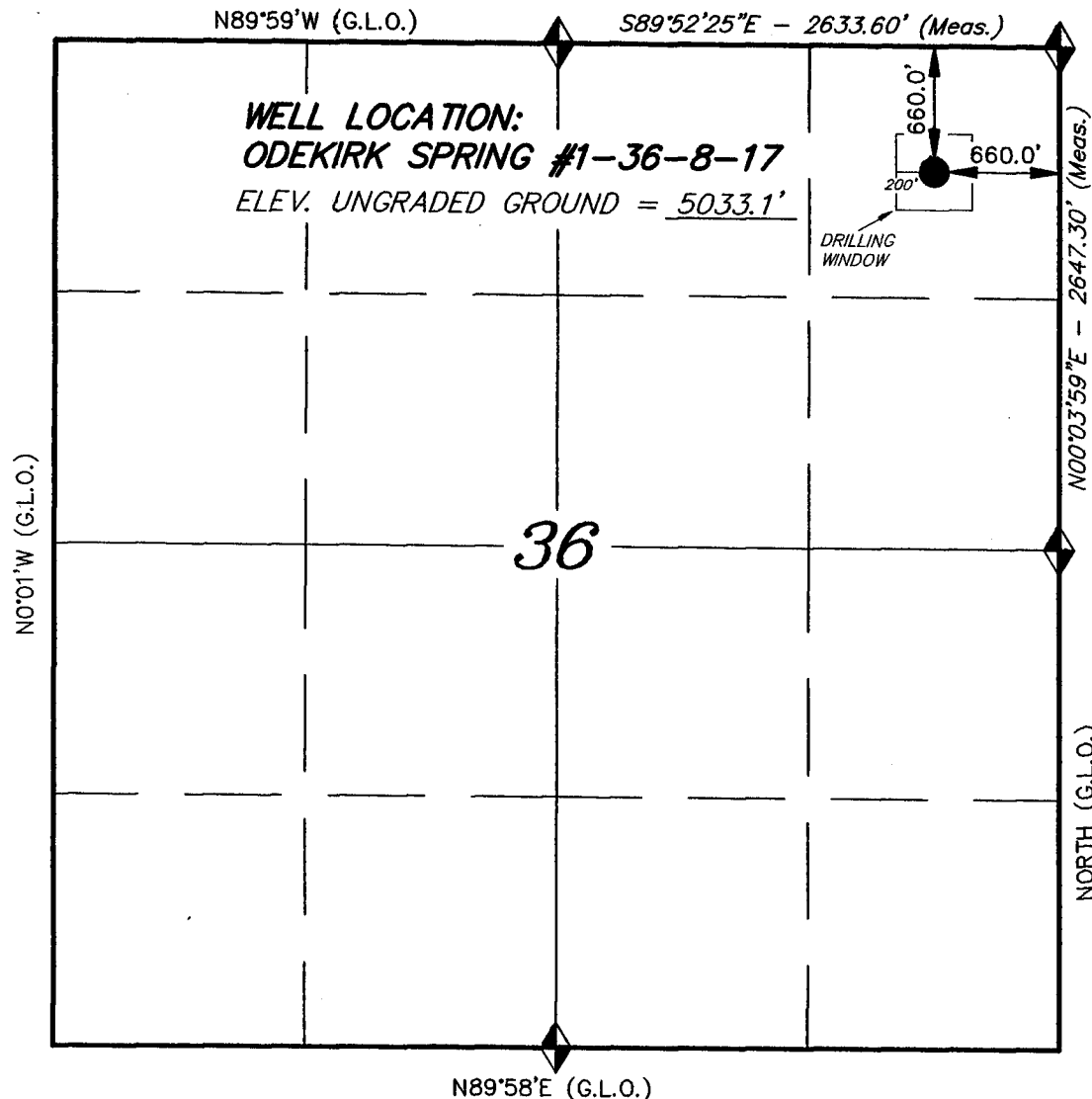


\*See Instructions On Reverse Side

**T8S, R17E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, ODEKIRK SPRING  
#1-36-8-17, LOCATED AS SHOWN IN THE  
NE 1/4 NE 1/4 OF SECTION 36, T8S, R17E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

*Gene Stewart*  
GENE STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 144402  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

|                   |                   |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.S. |
| DATE: 9-19-98     | WEATHER: WARM     |
| REVISIONS:        | FILE #            |

BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**INLAND PRODUCTION COMPANY  
ODEKIRK SPRING #1-36-8-17  
NE/NE SECTION 36, T8S, R17E  
UINTAH COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|             |            |
|-------------|------------|
| Uinta       | 0' - 1730' |
| Green River | 1730'      |
| Wasatch     | 6500'      |

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1730' - 6500' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)  
5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Annular Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050'  $\pm$ , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions of 5 lb. - 8 lb. per barrel of DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromate's will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.



**AIR DRILLING**

In the event that the proposed location be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90 degree turns. Inland also requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

**MUD TYPE**

Surface - 320'

Air

320' - 4200'

Air/Mist & Foam

4200' - TD

The well will be drilled with fresh water through the Green River Formation @ 4200'  $\pm$ , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer.) Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300'  $\pm$ , and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'  $\pm$ . The cement bond log will be run from PBTD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the forth quarter of 1998, and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
ODEKIRK SPRING #1-36-8-17  
NE/NE SECTION 36, T8S, R17E  
UINTAH COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Odekirk Spring #1-36-8-17 located in the NE ¼ NE ¼ Section 36, T8S, R17E, S.L.B. & M. Uintah County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 12.9 miles to its junction with an existing dirt road to the northeast; proceed northeasterly along this road - 3.4 miles to its junction with a dirt road to the east; proceed easterly 0.6 miles to the beginning of the proposed location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The proposed access road will be an 18" crown road (9" either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

See Exhibit "D".

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

*\* Public Water Source*

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Odekirk Spring #1-36-8-17. A temporary line may be used for water transportation from our existing supply line, from Johnson Water District, or trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit (90' X 40' X 8' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride chromate's, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the west between stakes 4 & 5.

The stockpiled topsoil (first six (6) inches) will be stored on the east between stakes 2 & 8.

Access to the well pad will be from the southeast between stakes 2 & 3.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

**10. PLANS FOR RESTORATION OF SURFACE**

a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/ operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion . Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per State of Utah, and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP – State of Utah**

12. **OTHER ADDITIONAL INFORMATION**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report is attached.

***Additional Surface Stipulations***

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

***Hazardous Material Declaration***

Inland Production Company guarantees that during the drilling and completion of the Odekirk Spring #1-36-8-17, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Odekirk Spring #1-36-8-17 we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, UT 84079  
Telephone: (801) 789-1866

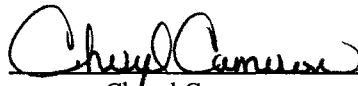
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #1-36-8-17 NE/NE Section 36, Township 8S, Range 17E: Lease #ML-44305 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

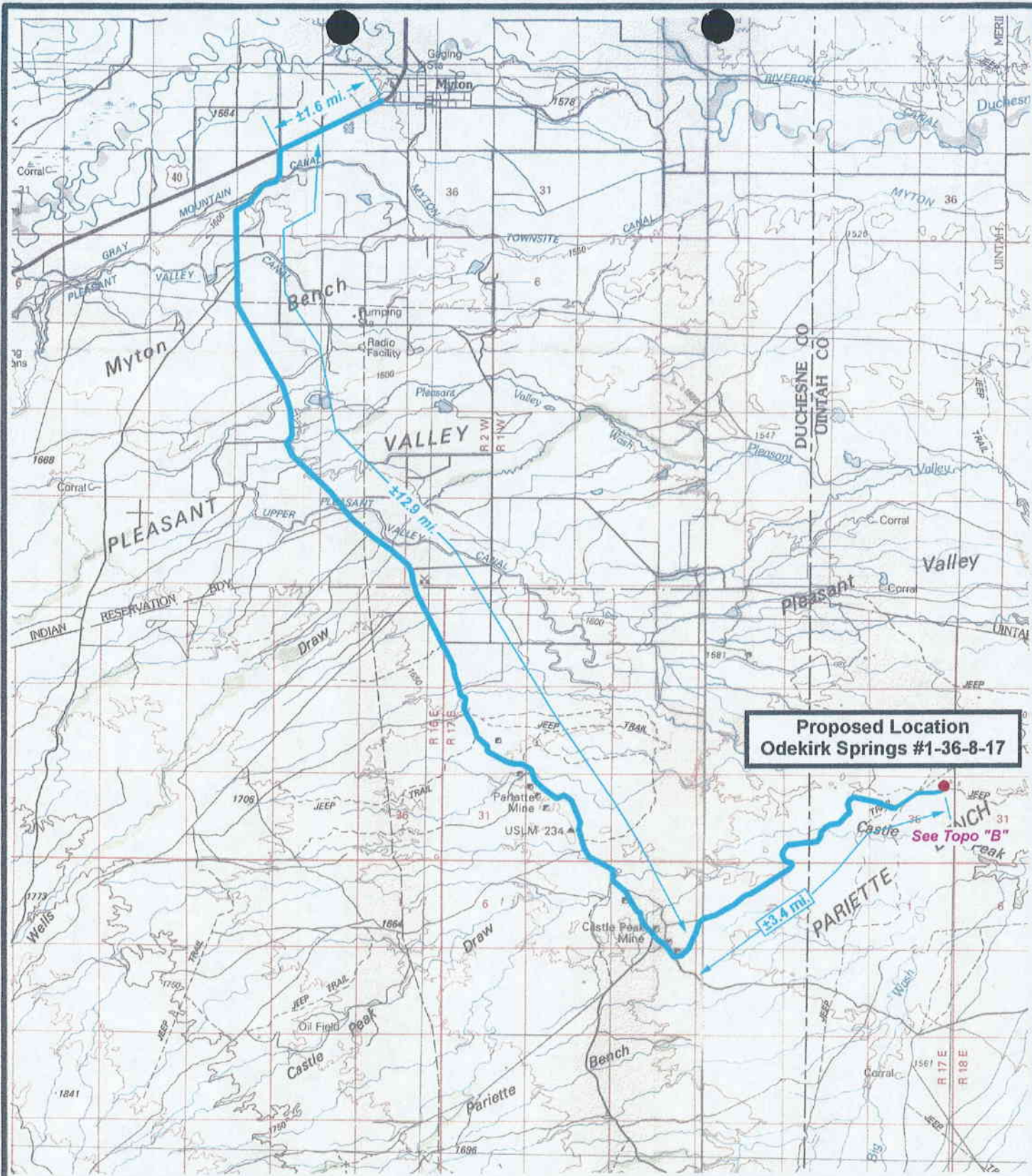
9/22/98

Date



Cheryl Cameron  
Regulatory Specialist





RESOURCES INC.

**ODEKIRK SPRINGS #1-36-8-17**  
**SEC. 36, T8S, R17E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "A"**



Drawn By: SS

Revision:

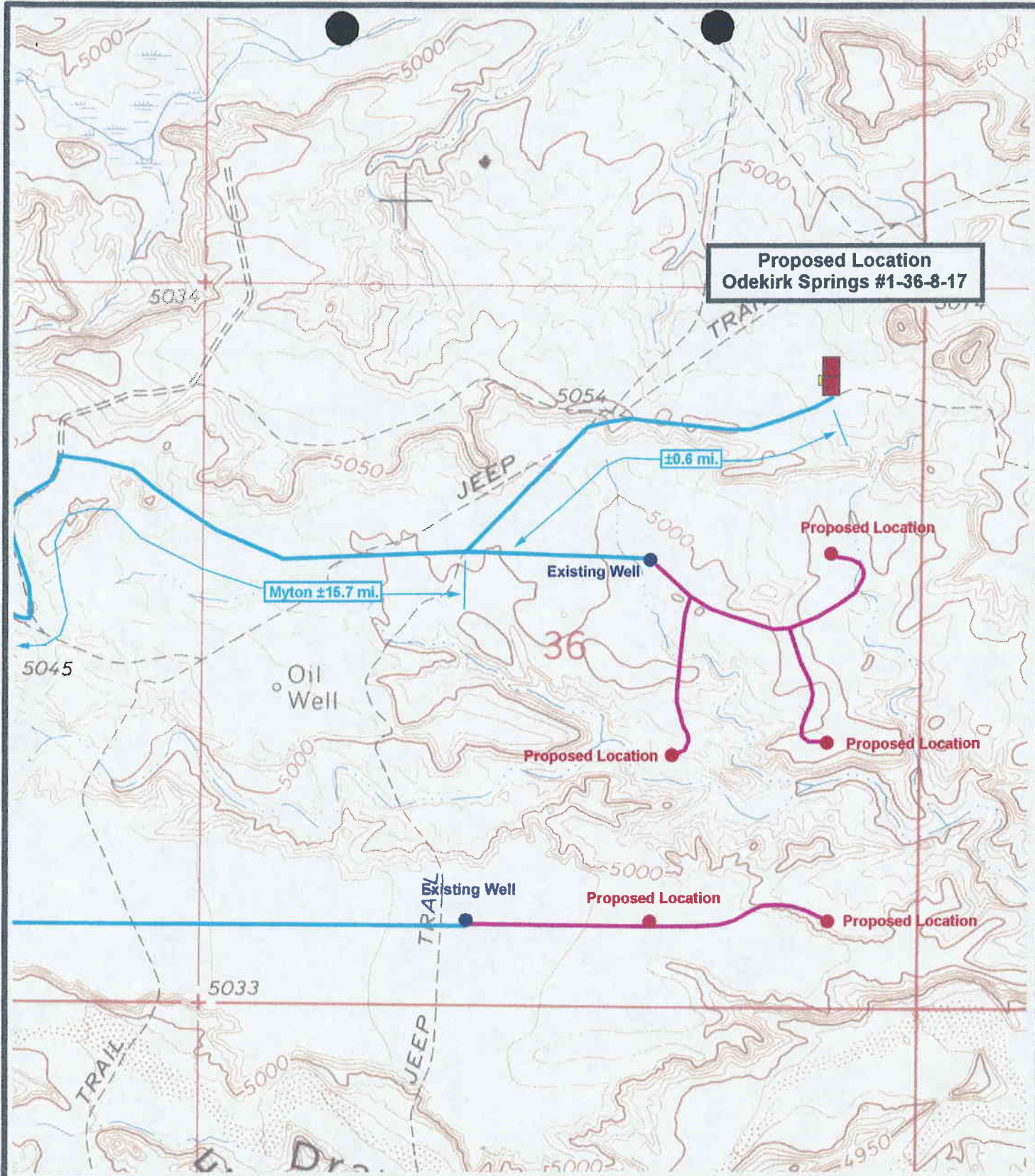
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File:

Date: 9/14/98

**Tri-State Land Surveying Inc.**  
**P.O. Box 533, Vernal, UT 84078**  
**435-781-2501 Fax 434-781-2518**





**ODEKIRK SPRINGS #1-36-8-17**  
**SEC. 36, T8S, R17E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "B"**



Drawn By: SS

Revision:

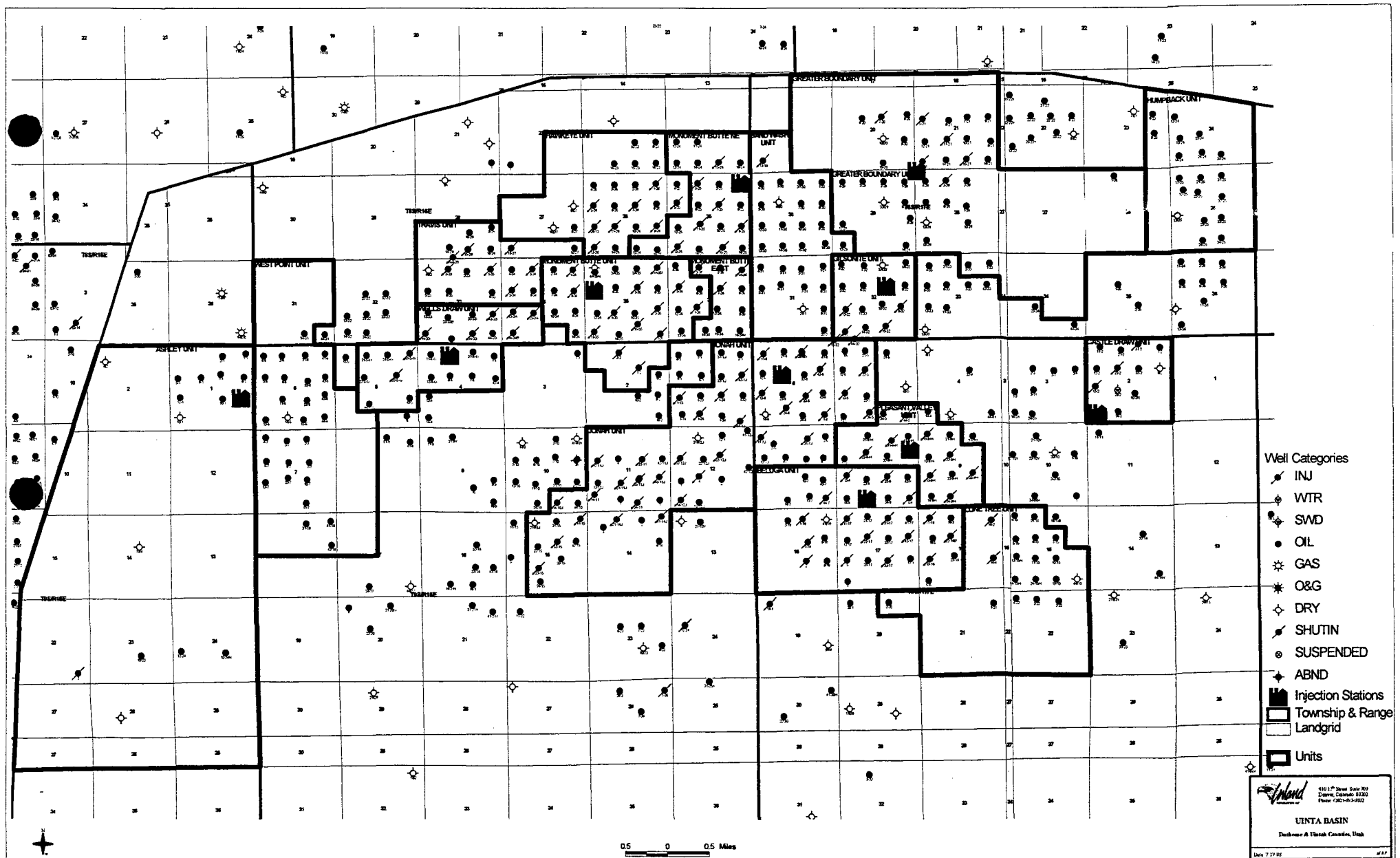
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File:

Date: 9/17/98

**Tri-State Land Surveying Inc.**  
**P.O. Box 533, Vernal, UT 84078**  
**435-781-2501 Fax 434-781-2518**

0.5 0 0.5 Miles



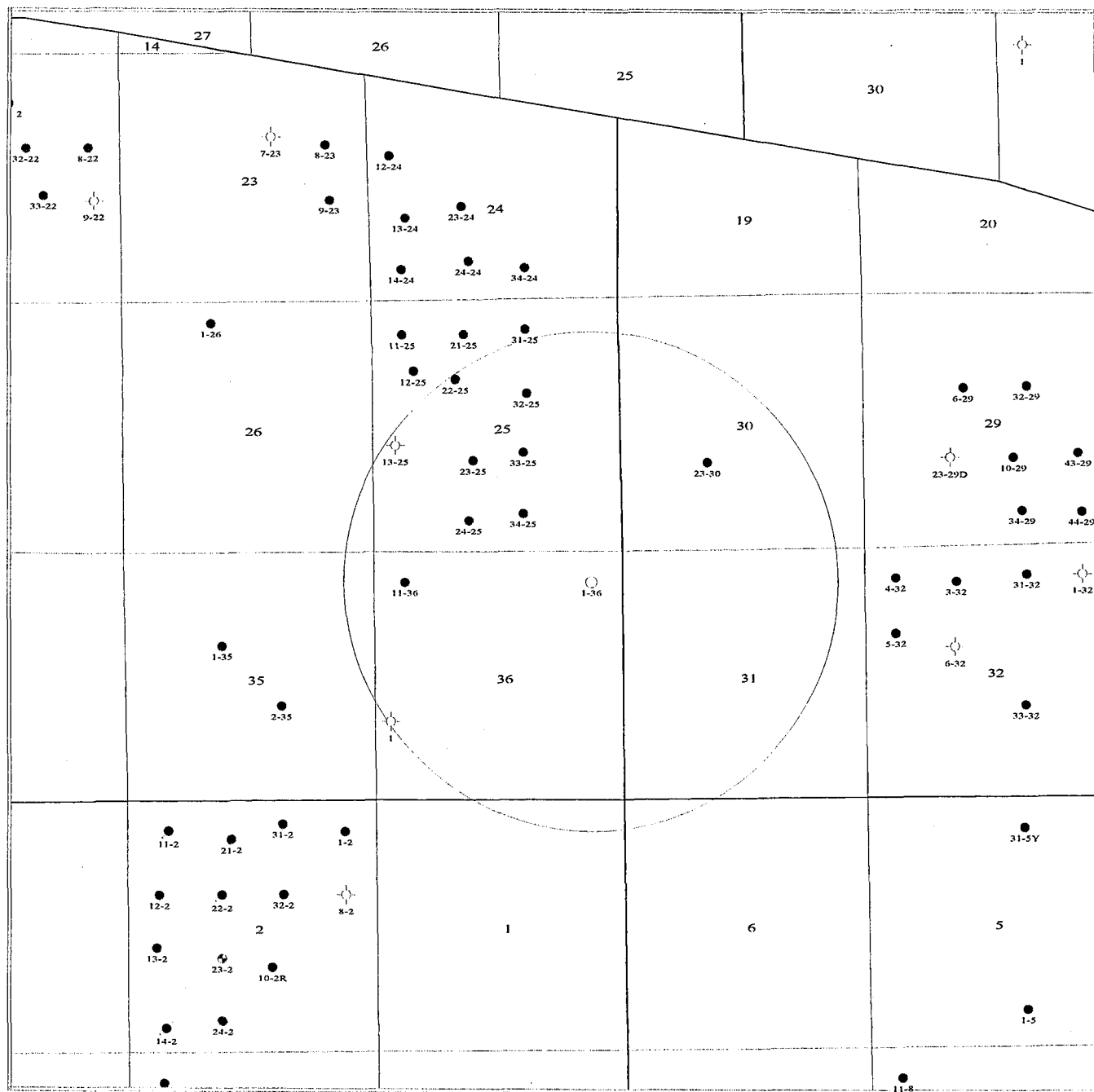


EXHIBIT "D"

INLAND PRODUCTION COMPANY

ONE MILE RADIUS  
Odekirk Spring #1-36

Josh Axelson

Scale 1:8004.37

2/3/1998

# INLAND PRODUCTION COMPANY

**ODEKIRK SPRING #1-36-8-17**  
**SEC. 36, T8S, R17E, S.L.B.&M.**

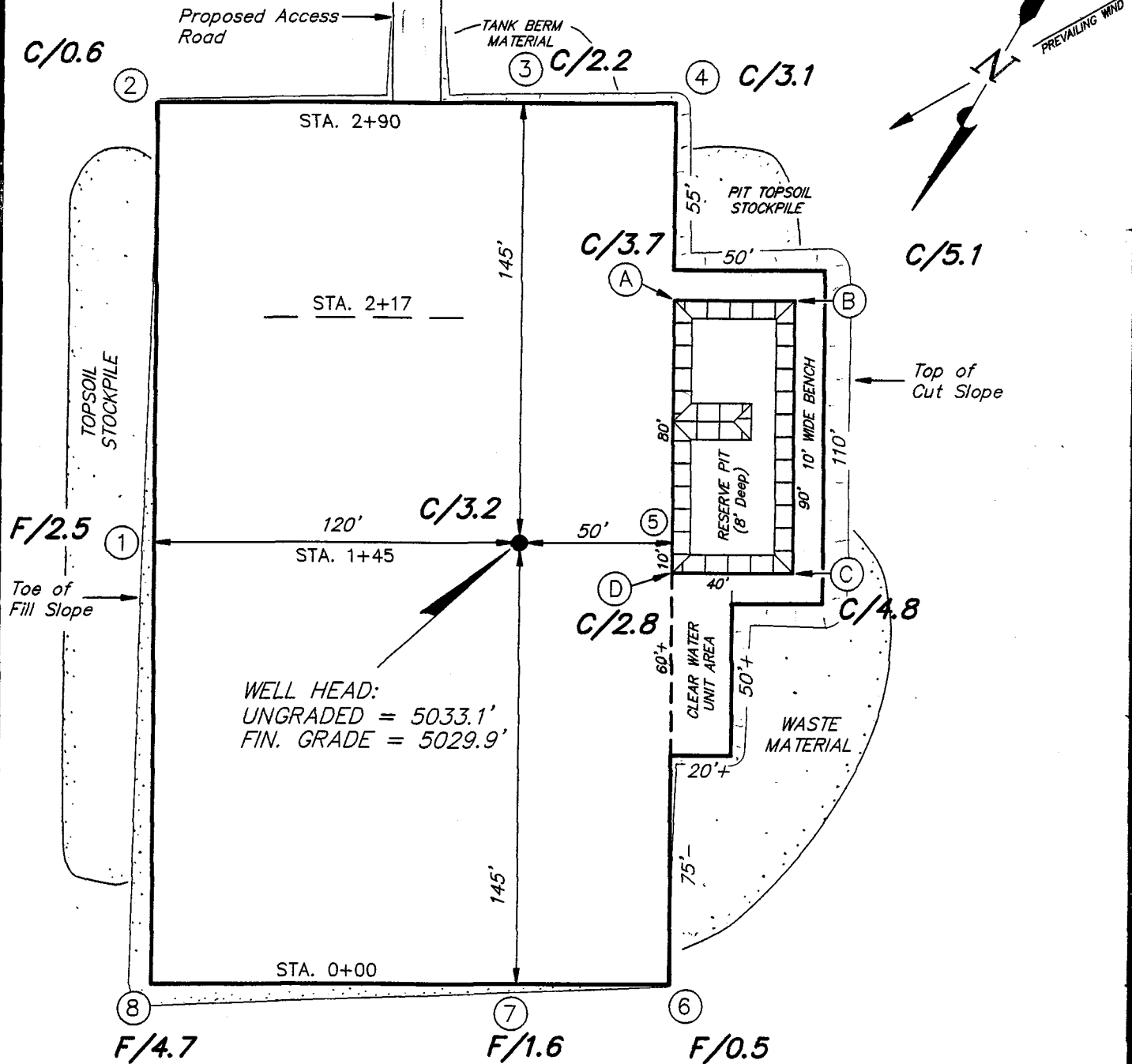


EXHIBIT "E"

## REFERENCE POINTS

170' NORTHEAST = 5025.6'  
 220' NORTHEAST = 5024.4'  
 195' NORTHWEST = 5028.2'  
 245' NORTHWEST = 5028.6'

|              |          |
|--------------|----------|
| SURVEYED BY: | D.S.     |
| DRAWN BY:    | J.R.S.   |
| DATE:        | 9-20-98  |
| SCALE:       | 1" = 50' |
| FILE:        |          |

**Tri State**  
 Land Surveying, Inc.  
 (801) 781-2501  
 38 WEST 100 NORTH VERNAL, UTAH 84078

*CROSS SECTIONS*  
**ODEKIRK SPRING #1-36-8-17**

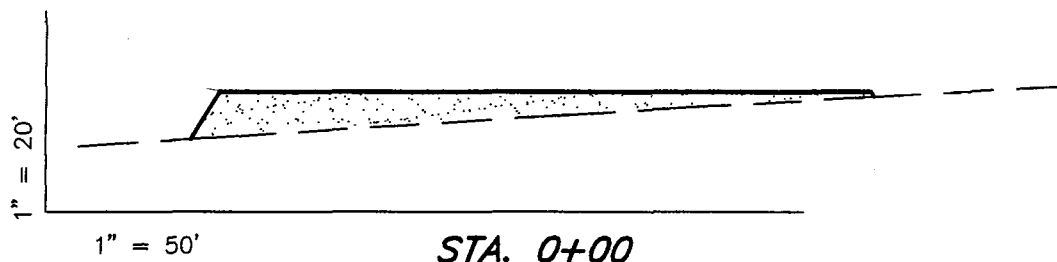
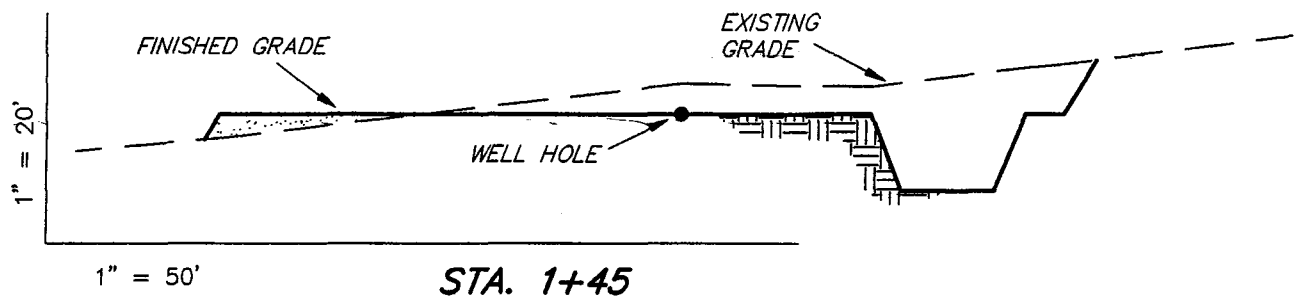
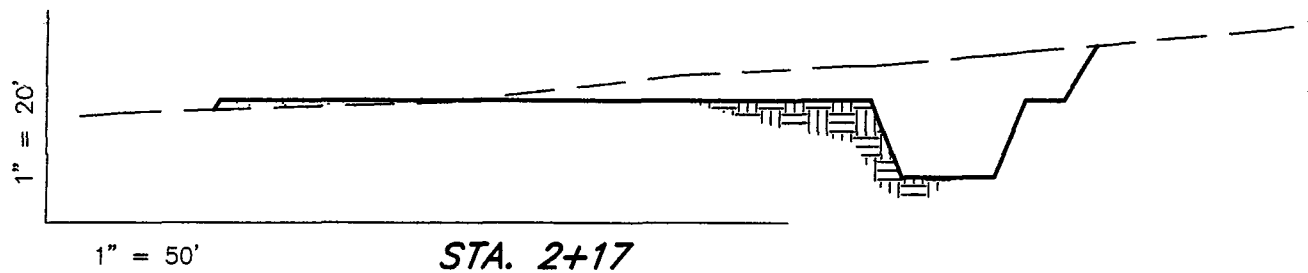
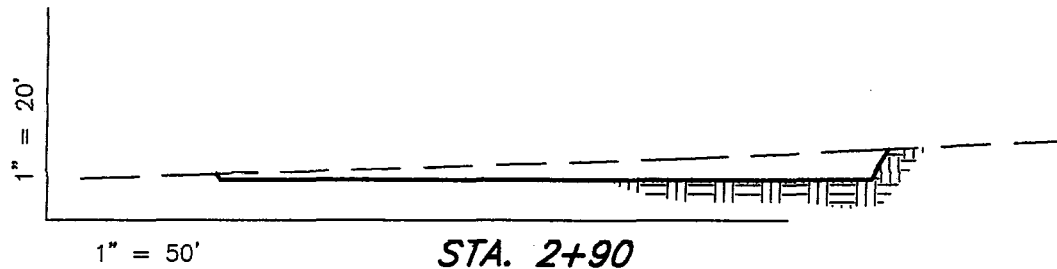


EXHIBIT "E-1"

**APPROXIMATE YARDAGES**

CUT = 1,950 Cu. Yds.

FILL = 1,950 Cu. Yds.

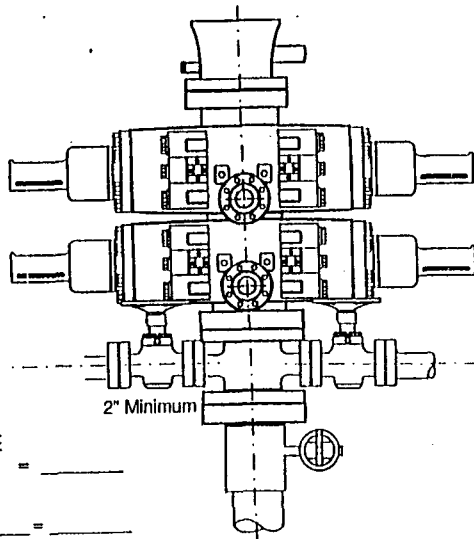
PIT = 920 Cu. Yds.

6" TOPSOIL = 1,030 Cu. Yds.

**Tri State**  
*Land Surveying, Inc.*  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078

## 2-M SYSTEM

RAM TYPE B.O.P.  
 Make:  
 Size:  
 Model:



GAL TO CLOSE

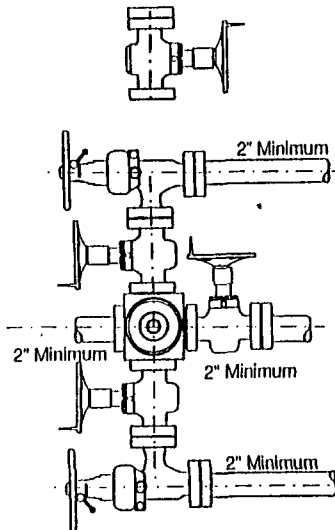
Annular BOP = \_\_\_\_\_

Ramtype BOP

\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.



Rounding off to the next higher  
 increment of 10 gal. would require  
 \_\_\_\_\_ Gal. (total fluid & nitro volume)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/28/98

API NO. ASSIGNED: 43-047-33195

WELL NAME: ODEKIRK SPRING 1-36-8-17  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)  
CONTACT: Cheryl Cameron (435) 789-1866

PROPOSED LOCATION:  
NENE 36 - T08S - R17E  
SURFACE: 0660-FNL-0660-FEL  
BOTTOM: 0660-FNL-0660-FEL  
UINTAH COUNTY  
EIGHT MILE FLAT NORTH FIELD (590)

LEASE TYPE: STA  
LEASE NUMBER: ML-44305  
SURFACE OWNER: State

|                          |          |         |
|--------------------------|----------|---------|
| INSPECT LOCATION BY: / / |          |         |
| TECH REVIEW              | Initials | Date    |
| Engineering              | RZK      | 12-1-98 |
| Geology                  |          |         |
| Surface                  |          |         |

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☐ State ☒ Fee ☐  
(No. 4471291)  
☐ Potash (Y/N)  
☐ Oil Shale (Y/N) \*190-5(B)  
☒ Water Permit  
(No. Johnson Water District)  
☐ RDCC Review (Y/N)  
(Date: )  
☐ St/Fee Surf Agreement (Y/N)

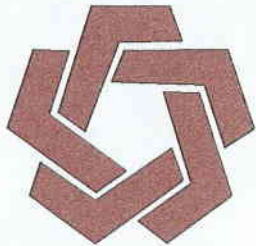
LOCATION AND SITING:

☐ R649-2-3. Unit  
☒ R649-3-2. General  
☐ R649-3-3. Exception  
☐ Drilling Unit  
Board Cause No:   
Date:

COMMENTS:

STIPULATIONS: ① STATEMENT OF BASIS





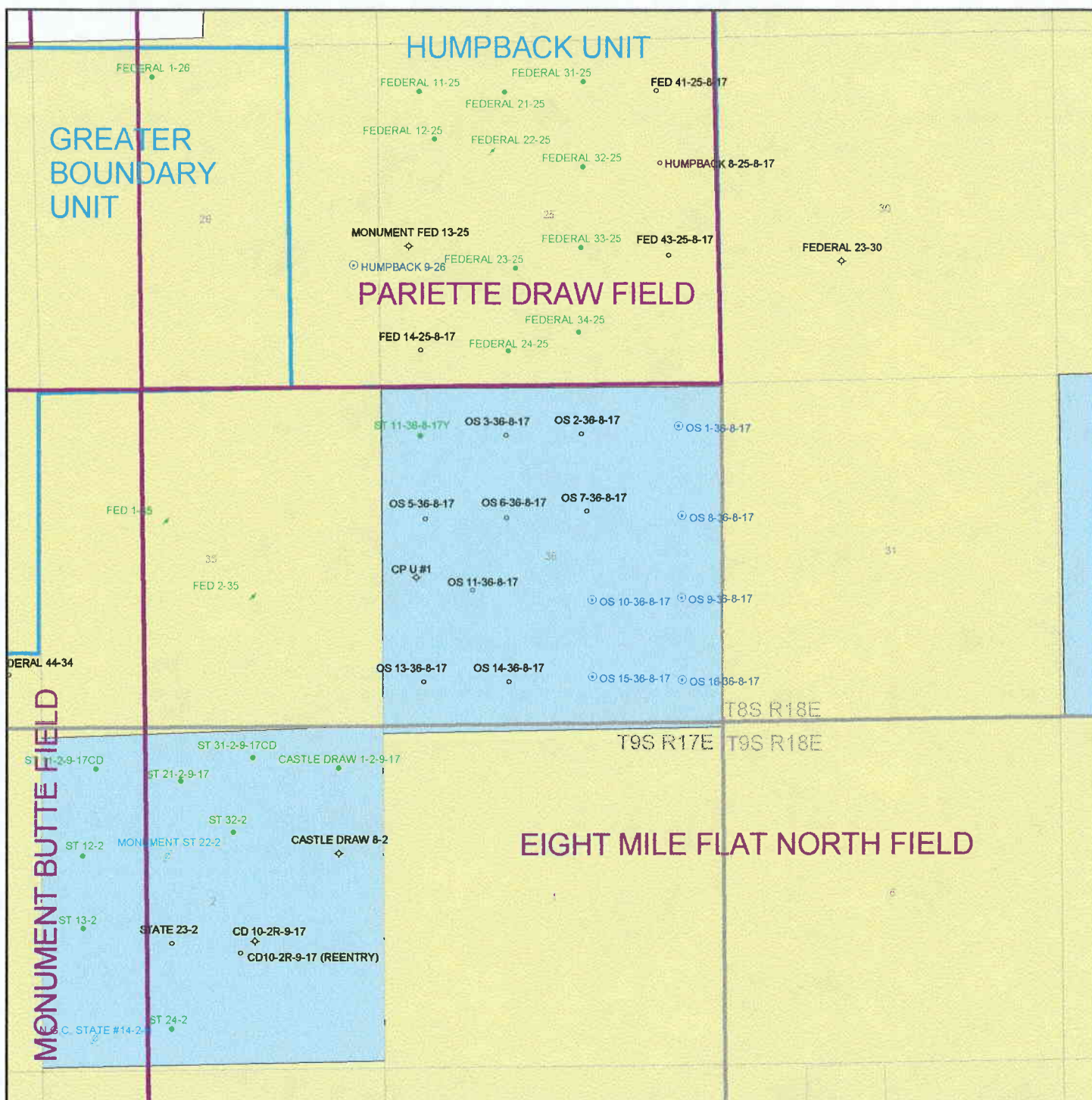
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION COMPANY (N5160)

FIELD: EIGHT MILE FLAT NORTH (590)

SEC. 36, TWP 8S, RNG 17E,

COUNTY: UINTAH STATE TRUST LANDS



DATE PREPARED:  
2-OCT-1998



**APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**Operator:** INLAND PRODUCTION COMPANY

**Well Name & Number:** ODEKIRK SPRING 1-36

**API Number:** 43-047-33195

**Location:** 1/4,1/4 NE/NE Sec. 36 T. 8S R. 17E

**Geology/Ground Water:**

The base of the moderately saline ground water is expected to be near the ground surface at this location. The Uinta Formation should have very limited fresh water resources in the near surface. The proposed casing and cement program should adequately protect any fresh water resources.

Reviewer: Brad Hill Date: 11/24/98

**Surface:**

The pre-site investigation of the surface was performed by field personnel on 11/20/98. All applicable surface management agencies have been notified. No other agency personnel chose to attend. A plastic liner will not be required for the reserve pit on this location. As this location will be built directly adjacent to an existing oilfield road, no new access will be necessary.

Reviewer: DAVID W. HACKFORD Date: 11/23/98

**Conditions of Approval/Application for Permit to Drill:**

1. The reserve pit shall be constructed southwest of the wellbore

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: INLAND PRODUCTION COMPANY

WELL NAME & NUMBER: ODEKIRK SPRING 1-36

API NUMBER: 43-047-33195

LEASE: ML 44305

FIELD/UNIT: MONUMENT BUTTE

LOCATION: 1/4, 1/4 NE/NE Sec: 36 TWP: 8S RNG: 17E 660' FNL 660' FEL

LEGAL WELL SITING: 660' F SEC. LINE; 660' F 1/4, 1/4 LINE; \_\_\_\_\_ F ANOTHER WELL.

GPS COORD (UTM): 12589774E 4436920N

SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM)

BRAD MECHAM (INLAND PRODUCTION CO.)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN AN AREA OF ROLLING HILLS WITH TWO STEEP KNOLLS 500' EAST OF SITE. DRAINAGE IS TO THE NORTH.

SURFACE USE PLAN

CURRENT SURFACE USE: LIVESTOCK AND WILDLIFE GRAZING

PROPOSED SURFACE DISTURBANCE: 290 FEET BY 210 FEET FOR LOCATION.  
NO ADDITIONAL ACCESS ROAD WILL BE NECESSARY.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP  
FROM THE GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: PRODUCTION FACILITIES  
WILL BE ON LOCATION.

SOURCE OF CONSTRUCTION MATERIAL: MATERIALS WILL BE BORROWED FROM  
LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. SEWAGE  
FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL

CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED  
TO A LANDFILL. ALL HAZARDOUS WASTES WILL BE DISPOSED OF OFFSITE  
AT AN APPROVED FACILITY.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SALT BRUSH, PRICKLY PEAR, SHADSCALE:  
(LESS THAN 5% GROUND COVER): PRONGHORN, RODENTS, RABBITS, COYOTES, SONG  
BIRDS, RAPTORS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN TO PINK CLAY WITH MULTI-  
COLOR SHALE ROCKS. A TRACE OF ALKALI IS PRESENT.

SURFACE FORMATION & CHARACTERISTICS: UINTAH FORMATION, SOUTH FLANK  
OF UINTAH MOUNTAINS.

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION,  
NO STABILITY PROBLEMS ANTICIPATED.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 40' BY 110' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): NO LINER WILL  
BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN  
AS PER STATE OF UTAH, TRUST LANDS.

SURFACE AGREEMENT: STATE OF UTAH, TRUST LANDS

CULTURAL RESOURCES/ARCHAEOLOGY: REPORT WAS SUBMITTED WITH APD.

OTHER OBSERVATIONS/COMMENTS: ONSITE WAS DONE ON A CLEAR, COLD DAY.

ATTACHMENTS

PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

11/20/98 11:00 AM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

| <u>Site-Specific Factors</u>                                  | <u>Ranking</u> | <u>Site Ranking</u> |
|---|----------------|---------------------|
| Distance to Groundwater (feet)                                |                |                     |
| >200  | 0              |                     |
| 100 to 200  |                |                     |
| 75 to 100   | 5              |                     |
| 25 to 75  | 10             |                     |
| <25 or recharge area  | 15             | <u>5</u>            |
|   | 20             |                     |
| Distance to Surf. Water (feet)                                |                |                     |
| >1000   | 0              |                     |
| 300 to 1000   | 2              |                     |
| 200 to 300  | 10             |                     |
| 100 to 200  | 15             |                     |
| < 100   | 20             | <u>0</u>            |
| Distance to Nearest Municipal Well (feet)                     |                |                     |
| >5280   | 0              |                     |
| 1320 to 5280  | 5              |                     |
| 500 to 1320   | 10             |                     |
| <500  | 20             | <u>0</u>            |
| Distance to Other Wells (feet)                                |                |                     |
| >1320   | 0              |                     |
| 300 to 1320   | 10             |                     |
| <300  | 20             | <u>0</u>            |
| Native Soil Type  |                |                     |
| Low permeability  | 0              |                     |
| Mod. permeability   | 10             |                     |
| High permeability   | 20             | <u>0</u>            |
| Fluid Type  |                |                     |
| Air/mist  | 0              |                     |
| Fresh Water   | 5              |                     |
| TDS >5000 and <10000  | 10             |                     |
| TDS >10000 or Oil Base Mud                                    | 15             |                     |
| Fluid containing significant levels of hazardous constituents | 20             | <u>5</u>            |
| Drill Cuttings  |                |                     |
| Normal Rock   | 0              |                     |
| Salt or detrimental   | 10             | <u>0</u>            |
| Annual Precipitation (inches)                                 |                |                     |
| <10   | 0              |                     |
| 10 to 20  | 5              |                     |
| >20   | 10             | <u>0</u>            |
| Affected Populations  |                |                     |
| <10   | 0              |                     |
| 10 to 30  | 6              |                     |
| 30 to 50  | 8              |                     |
| >50   | 10             | <u>0</u>            |

Presence of Nearby Utility  
Conduits

Not Present

0

Unknown

10

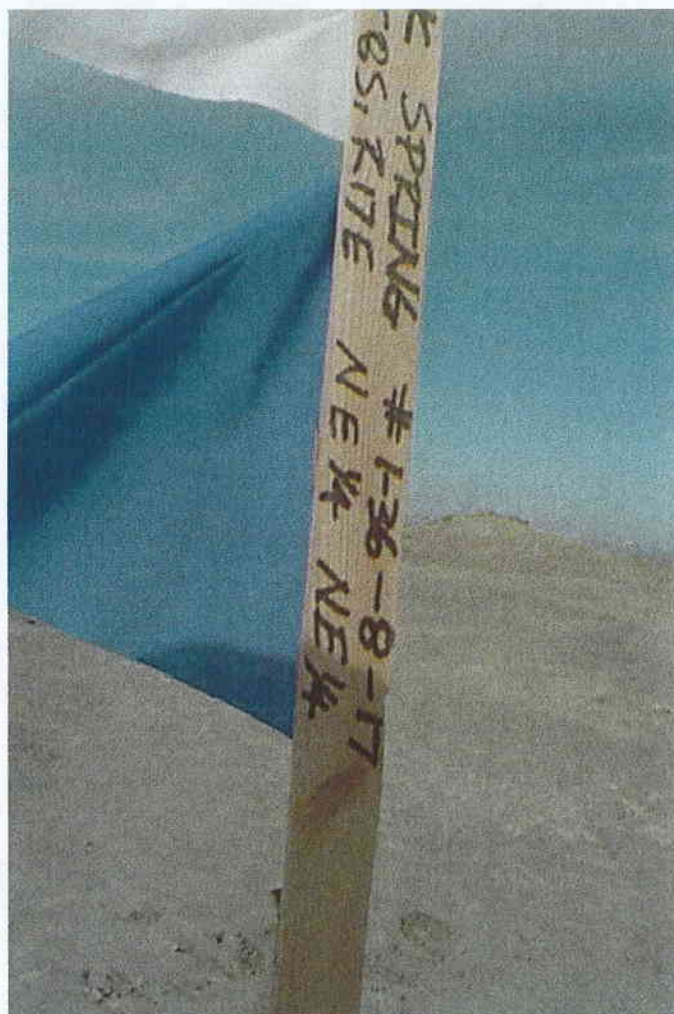
Present

15

0

Final Score

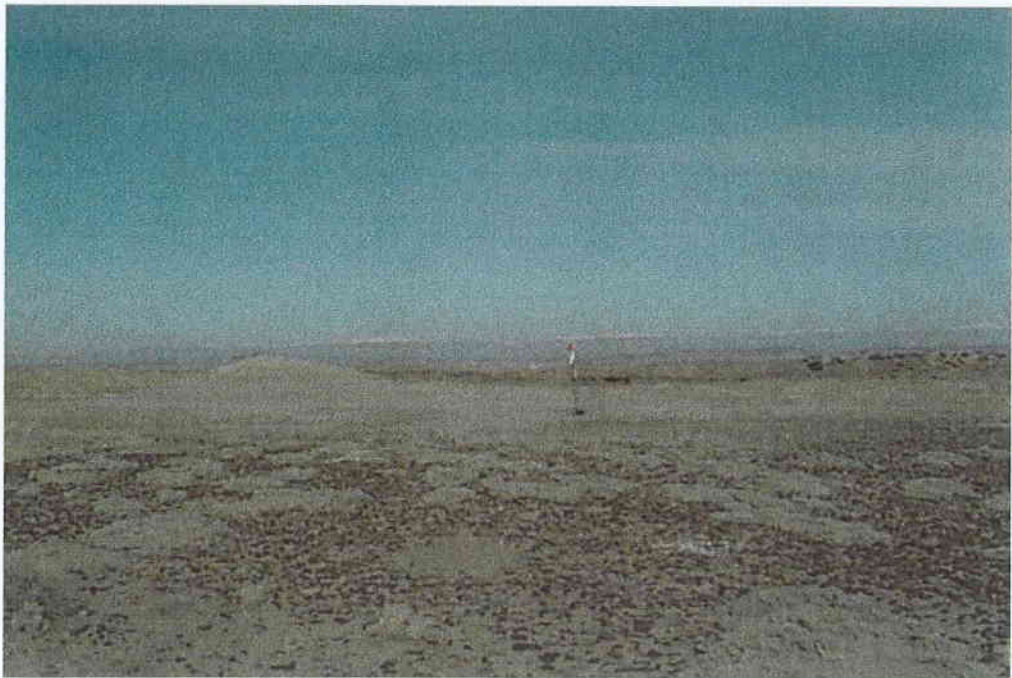
10















State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

December 1, 1998

Inland Production  
P.O. Box 790233  
Vernal, Utah 84079

Re: Odekirk Spring 1-36-8-17 Well, 660' FNL, 660' FEL, NE NE, Sec. 36, T. 8 S.,  
R. 17 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33195.

Sincerely,

John R. Baza  
Associate Director

lwp

Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Inland Production Company

**Well Name & Number:** Odekirk Spring 1-36-8-17

**API Number:** 43-047-33195

**Lease:** State **Surface Owner:** State

**Location:** NE NE **Sec.** 36 **T.** 8 S. **R.** 17 E.

### **Conditions of Approval**

#### **1. General**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### **2. Notification Requirements**

Notify the Division of the following actions during drilling of this well:

- . 24 hours prior to cementing or testing casing
- . 24 hours prior to testing blowout prevention equipment
- . 24 hours prior to spudding the well
- . within 24 hours of any emergency changes made to the approved drilling program
- . prior to commencing operations to plug and abandon the well

Division contacts (please leave a voice mail message if person is not available to take the call):

- . Dan Jarvis at (801) 538-5338
- . Robert Krueger at (801) 538-5274 (plugging)
- . Carol Daniels at (801) 538-5284 (spud)

#### **3. Reporting Requirements**

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### **4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).**

#### **5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical, or paleontological remains be encountered during your operations you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.**

Well name:

Inland Odekirk 1-36-8-17

Operator:

Inland Production Company

String type:

Surface

Project ID:

43-047-33195

Location:

Uintah Co.

**Design parameters:****Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature 79 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 1 ft

**Burst**

Max anticipated surface pressure: 130 psi  
Internal gradient: 0.003 psi/ft  
Calculated BHP 131 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 262 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 6,500 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,836 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 300 ft  
Injection pressure 300 psi

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Internal Capacity (ft³) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-------------------------|
| 1       | 300                 | 8.625                   | 24.00                   | J-55             | ST&C                 | 300                  | 300                 | 7.972                   | 14.4                    |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor   |
| 1       | 131                 | 1370                    | 10.48                   | 131              | 2950                 | 22.56                | 6                   | 244                     | 38.82 J                 |

Prepared RJK  
by: State of Utah

Date: December 1, 1998  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

In addition, burst strength is biaxially adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

|              |                                  |                     |
|--------------|----------------------------------|---------------------|
| Well name:   | <b>Inland Odekirk 1-36-8-17</b>  |                     |
| Operator:    | <b>Inland Production Company</b> | Project ID:         |
| String type: | <b>Production</b>                | <b>43-047-33195</b> |
| Location:    | <b>Uintah Co.</b>                |                     |

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft  
Cement top: 392 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.436 psi/ft  
Calculated BHP: 2,836 psi  
  
No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.  
Neutral point: 5,674 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|-------------------------|
| 1       | 6500                | 5.5       | 15.50                   | J-55  | LT&C       | 6500                 | 6500                | 4.825               | 203.7                   |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---------|---------------------|-------------------------|------------------------|------------------|----------------------|---------------------|---------------------|-------------------------|-----------------------|
| 1       | 2836                | 4040                    | 1.42                   | 2836             | 4812                 | 1.70                | 88                  | 217                     | 2.47 J                |

Prepared RJK  
by: State of Utah

Date: December 1, 1998  
Salt Lake City, Utah

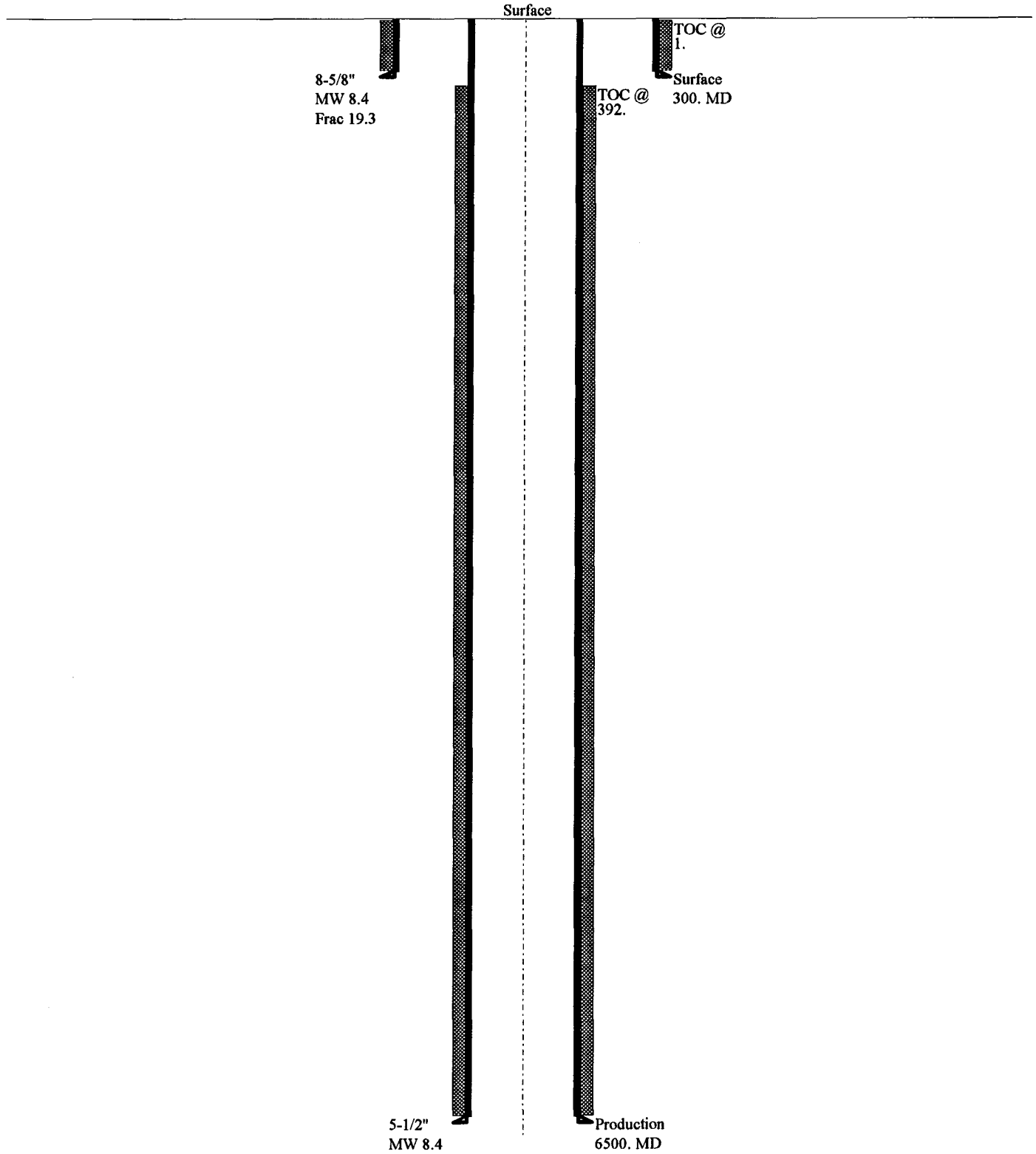
**ENGINEERING STIPULATIONS: NONE**

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Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
In addition, burst strength is biaxially adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# Inland Odekirk 1-36-8-17

## Casing Schematic





|              |                                  |                     |
|--------------|----------------------------------|---------------------|
| Well name:   | <b>Inland Odekirk 1-36-8-17</b>  |                     |
| Operator:    | <b>Inland Production Company</b> | Project ID:         |
| String type: | <b>Surface</b>                   | <b>43-047-33195</b> |
| Location:    | <b>Uintah Co.</b>                |                     |

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature 79 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 1 ft

**Burst**

Max anticipated surface pressure: 130 psi  
Internal gradient: 0.003 psi/ft  
Calculated BHP 131 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 262 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 6,500 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,836 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 300 ft  
Injection pressure 300 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|-------------------------|
| 1       | 300                 | 8.625     | 24.00                   | J-55  | ST&C       | 300                  | 300                 | 7.972               | 14.4                    |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---------|---------------------|-------------------------|------------------------|------------------|----------------------|---------------------|---------------------|-------------------------|-----------------------|
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Prepared RJK  
by: State of Utah

Date: December 1, 1998  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

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Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
In addition, burst strength is biaxially adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

|              |                                  |                     |
|--------------|----------------------------------|---------------------|
| Well name:   | <b>Inland Odekirk 1-36-8-17</b>  |                     |
| Operator:    | <b>Inland Production Company</b> | Project ID:         |
| String type: | <b>Production</b>                | <b>43-047-33195</b> |
| Location:    | <b>Uintah Co.</b>                |                     |

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft

Cement top: 392 ft

**Burst**

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Internal gradient: 0.436 psi/ft  
Calculated BHP: 2,836 psi

No backup mud specified.

**Tension:**

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Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.  
Neutral point: 5,674 ft

| Run Seq | Segment Length (ft) | Size (in)               | Nominal Weight (lbs/ft) | Grade            | End Finish           | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in)     | Internal Capacity (ft³) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-------------------------|
| 1       | 6500                | 5.5                     | 15.50                   | J-55             | LT&C                 | 6500                 | 6500                | 4.825                   | 203.8                   |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor  | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor  | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor   |
| 1       | 2836                | 4040                    | 1.42                    | 2836             | 4812                 | 1.70                 | 88                  | 217                     | 2.47 J                  |

Prepared RJK  
by: State of Utah

Date: December 1, 1998  
Salt Lake City, Utah

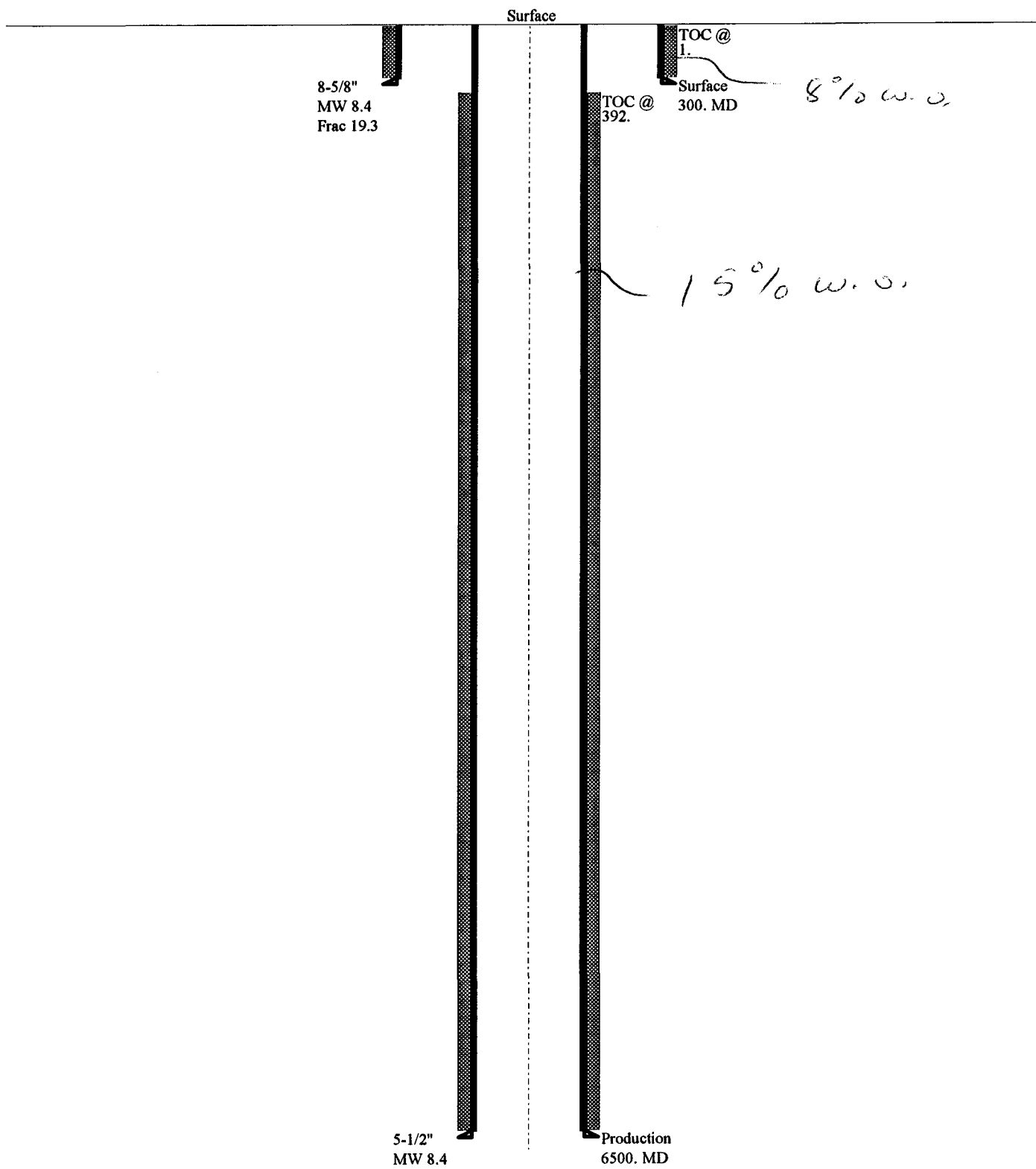
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# Inland Odekirk 1-36-8-17

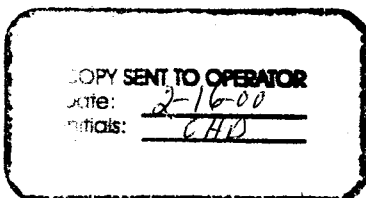
## Casing Schematic



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

|  |  |  |  |
|--|--|--|--|
| <b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.<br>Use "APPLICATION FOR PERMIT--" for such proposals.)<br><br>OIL <input type="checkbox"/> GAS <input type="checkbox"/><br>WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                     |  | <b>5. LEASE DESIGNATION AND SERIAL NO.</b><br><b>ML-44305</b>  |  |
| <b>2. NAME OF OPERATOR</b><br><b>INLAND PRODUCTION COMPANY</b>   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b><br><br>N/A  |  |
| <b>3. ADDRESS OF OPERATOR</b><br><b>410 17TH STREET, SUITE 700, DENVER, COLORADO 80202</b><br><b>(303) 893-0102</b>  |  | <b>7. UNIT AGREEMENT NAME</b><br><br>N/A   |  |
| <b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*</b><br>See also space 17 below.)<br>At surface<br><b>NE/NE 660' FNL 660' FEL</b>   |  | <b>8. FARM OR LEASE NAME</b><br><b>Odekirk Spring 1-36-8-17</b>  |  |
| <b>14. API NUMBER</b><br><b>43-047-33195</b>   |  | <b>9. WELL NO.</b><br><b>1-36</b>  |  |
| <b>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</b><br><b>5033.1' GR</b>   |  | <b>10. FIELD AND POOL, OR WILDCAT</b><br><br><b>Monument Butte</b>   |  |
| <b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>   |  | <b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b><br><b>NE/NE Sec. 36 T8S R17E</b>   |  |
| <b>NOTICE OF INTENTION TO:</b><br><br>TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/><br>FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/><br>SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/><br>REPAIR WELL <input type="checkbox"/><br>(OTHER) <input checked="" type="checkbox"/> APD Extension |  | <b>SUBSEQUENT REPORT OF:</b><br><br>WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/><br>FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/><br>(OTHER) <input type="checkbox"/><br><br>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |
| <b>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*</b>  |  | <b>12. COUNTY OR PARISH</b><br><b>Uintah</b>   |  |
|  |  | <b>13. STATE</b><br><b>UT</b>  |  |

Inland Production Company requests that a one year APD extension be granted to the above referenced location



Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 2/16/00  
By: [Signature]

RECEIVED

FEB 14 2000

DIVISION OF  
OIL, GAS AND MINING

18. I hereby certify that the foregoing is true and correct  
SIGNED Jon Holst TITLE Counsel DATE 2/10/99

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION COMPANY

Well Name: ODEKIRK SPRING 1-36-8-17

Api No. 43-047-33195 LEASE TYPE: STATE

Section 36 Township 08S Range 17E County UINTAH

Drilling Contractor UNION DRILLING RIG # 14

SPUDDED:

Date 07/14//2000

Time 7:30 AM

How DRY

Drilling will commence

Reported by GARY DIETZ

Telephone # 1-435-646-3721

Date 07/14/2000 Signed: CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

| ACTION<br>CODE | CURRENT<br>ENTITY NO. | NEW<br>ENTITY NO. | API NUMBER   | WELL NAME    | WELL LOCATION |    |    |     |        | SPUD<br>DATE  | EFFECTIVE<br>DATE |
|----------------|-----------------------|-------------------|--------------|--------------|---------------|----|----|-----|--------|---------------|-------------------|
|                |                       |                   |              |              | QQ            | SC | TP | RG  | COUNTY |               |                   |
| A              | 99999                 | 12798             | 43-047-33195 | Odekirk 1-36 | NE/NE         | 36 | 8S | 17E | Uintah | July 14, 2000 | 7/14/00           |

WELL 1 COMMENTS: *000717 entity added.*

| ACTION<br>CODE | CURRENT<br>ENTITY NO. | NEW<br>ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION |    |    |    |        | SPUD<br>DATE | EFFECTIVE<br>DATE |
|----------------|-----------------------|-------------------|------------|-----------|---------------|----|----|----|--------|--------------|-------------------|
|                |                       |                   |            |           | QQ            | SC | TP | RG | COUNTY |              |                   |
|                |                       |                   |            |           |               |    |    |    |        |              |                   |

WELL 2 COMMENTS:

| ACTION<br>CODE | CURRENT<br>ENTITY NO. | NEW<br>ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION |    |    |    |        | SPUD<br>DATE | EFFECTIVE<br>DATE |
|----------------|-----------------------|-------------------|------------|-----------|---------------|----|----|----|--------|--------------|-------------------|
|                |                       |                   |            |           | QQ            | SC | TP | RG | COUNTY |              |                   |
|                |                       |                   |            |           |               |    |    |    |        |              |                   |

WELL 3 COMMENTS:

| ACTION<br>CODE | CURRENT<br>ENTITY NO. | NEW<br>ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION |    |    |    |        | SPUD<br>DATE | EFFECTIVE<br>DATE |
|----------------|-----------------------|-------------------|------------|-----------|---------------|----|----|----|--------|--------------|-------------------|
|                |                       |                   |            |           | QQ            | SC | TP | RG | COUNTY |              |                   |
|                |                       |                   |            |           |               |    |    |    |        |              |                   |

WELL 4 COMMENTS:

| ACTION<br>CODE | CURRENT<br>ENTITY NO. | NEW<br>ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION |    |    |    |        | SPUD<br>DATE | EFFECTIVE<br>DATE |
|----------------|-----------------------|-------------------|------------|-----------|---------------|----|----|----|--------|--------------|-------------------|
|                |                       |                   |            |           | QQ            | SC | TP | RG | COUNTY |              |                   |
|                |                       |                   |            |           |               |    |    |    |        |              |                   |

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form):

- A - Establish new entry for new well (single well entry)
- B - Add new well to existing entry (group of wells)
- C - Reassign well from one existing entry to another existing entry
- D - Reassign well from one existing entry to a new entry
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(355)

*Kebbie S. Jones*  
Signature  
Kebbie S. Jones  
Production Clerk  
Date  
July 17, 2000

P. 02

FAX NO. 435 846 3031

INLAND PRODUCTION CO

JUL-17-00 MON 01:39 PM

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

|  |  |   |  |
|--|--|---|--|
| <b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.<br>Use "APPLICATION FOR PERMIT--" for such proposals.)<br><br>OIL <input type="checkbox"/> GAS <input type="checkbox"/><br>WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/> |  | <b>5. LEASE DESIGNATION AND SERIAL NO.</b><br><b>ML - 44305</b><br><br><b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b><br><br>N/A<br><br><b>7. UNIT AGREEMENT NAME</b><br><br>N/A<br><br><b>8. FARM OR LEASE NAME</b><br><b>Odekirk Spring</b><br><br><b>9.</b><br><b># 1-36-8-17</b><br><br><b>10. FIELD AND POOL, OR WILDCAT</b><br><br><b>Monument Butte</b><br><br><b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b><br><b>Sec 36, T8s, R17E</b> |  |
| <b>2. NAME OF OPERATOR</b><br><b>INLAND PRODUCTION COMPANY</b><br><br><b>3. ADDRESS OF OPERATOR</b><br><b>Route 3, Box 3630 Myton, Utah 84052</b><br><b>(435) 646-3721</b>   |  | <b>12. COUNTY OR PARISH</b><br><b>Uintah</b><br><br><b>13. STATE</b><br><b>UT</b>   |  |
| <b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*</b><br>See also space 17 below.)<br>At surface<br><b>660' FNL &amp; 660' FEL NE/NE</b>   |  | <b>14. API NUMBER</b><br><b>43-047-33195</b><br><br><b>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</b><br><b>5029.9' GR</b>  |  |

|   |  |   |  |
|---|--|---|--|
| <b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>  |  |   |  |
| <b>NOTICE OF INTENTION TO:</b><br><br>TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/><br>FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/><br>SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/><br>REPAIR WELL <input type="checkbox"/><br>(OTHER) <input type="checkbox"/> |  | <b>SUBSEQUENT REPORT OF:</b><br><br>WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/><br>FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/><br>(OTHER) <u>Surface Spud</u> <input checked="" type="checkbox"/><br><br>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MIRU UNION RIG # 14. Set equipment on 7/13/00. Drill mouse hole & rat hole. Spud well @ 7:30 am on 7/14/00. Drill 17 1/4" hole and set 23' of 133/8" conductor. Nipple up cellar. Drill 12 1/4" hole with air mist to a depth of 321'. TIH w/ 85/8" J-55 24# csg. Landed @ 305.39 w/KB. Cement with \*14lsks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Cement fell away from surface. Supplemental cement w/\*20sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Pumped down 100' of 1 inch tbg. Estimated 2 bbls cement to surface. WOC 4 hours. Break out & Nipple up BOP's. Pressure test Kelly, TIW, Choke manifold, & BOP's TO 2000 psi. Test 85/8" CSG. TO 1500 PSI. ALL TESTED GOOD. Utah DOGM, & Vernal BLM notified by phone. Drill 7 7/8" hole to a depth of 1480' with air mist.

**18 I hereby certify that the foregoing is true and correct**  
 SIGNED J. W. Wisen TITLE Drilling Foreman DATE 07/17/2000

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
JUL 18 2000  
DIVISION OF  
OIL, GAS, AND MINING



July 17, 2000

State of Utah  
Division of Oil, Gas & Mining  
Attn: Carol Daniels  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Carol:

Please find enclosed DOGM form - 5, for the Odekirk Spring 1-36-8-17. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER  
Drilling Foreman

Enclosures

pw

RECEIVED

JUL 18 2000

DIVISION OF  
OIL, GAS AND MINING



# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

**8 5/8"**

CASING SET AT

**305.39**

LAST CASING \_\_\_\_\_ SET AT \_\_\_\_\_

DATUM **10' KB**

DATUM TO CUT OFF CASING \_\_\_\_\_

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

TD DRILLER **321'** LOGGER \_\_\_\_\_

HOLE SIZE **12 1/4"**

OPERATOR **INLAND PRODUCTION COMPANY**

WELL **Odekirk Spring 1-36-8-17**

FIELD/PROSPECT **Monument Butte**

CONTRACTOR & RIG # **UNION RIG 14**

**LOG OF CASING STRING:**

| PIECES   | OD            | ITEM - MAKE - DESCRIPTION | WT / FT     | GRD         | THREAD     | CONDT    | LENGTH |
|----------|---------------|---------------------------|-------------|-------------|------------|----------|--------|
|          |               | LANDING JT                |             |             |            |          | 14     |
|          |               |                           |             |             |            |          |        |
|          |               | WHI " 92 " CSG HEAD       |             |             | <b>8rd</b> | <b>A</b> | 0.95   |
| <b>7</b> | <b>8 5/8"</b> | Maverick ST & C CSG       | <b>24 #</b> | <b>J-55</b> | <b>8rd</b> | <b>A</b> | 293.54 |
|          |               | SHOE - <b>GUIDE</b>       |             |             | <b>8rd</b> | <b>A</b> | 0.9    |

|                         |        |     |                             |               |
|-------------------------|--------|-----|-----------------------------|---------------|
| CASING INVENTORY BAL.   | FEET   | JTS | TOTAL LENGTH OF STRING      | 309.39        |
| TOTAL LENGTH OF STRING  | 309.39 | 7   | LESS CUT OFF PIECE          | 14            |
| LESS NON CSG. ITEMS     | 15.85  |     | PLUS DATUM TO T/CUT OFF CSG | 10            |
| PLUS FULL JTS. LEFT OUT | 0      | 0   | CASING SET DEPTH            | <b>305.39</b> |

|                             |                |           |  |
|-----------------------------|----------------|-----------|--|
| TOTAL                       | 293.54         | 7         | } COMPARE  |
| TOTAL CSG. DEL. (W/O THRDS) | 293.54         | 7         |  |
| TIMING                      | 1ST STAGE      | 2ND stage |  |
| BEGIN RUN CSG.              | 7:00 PM        |           | GOOD CIRC THRU JOB <b>YES</b>                    |
| CSG. IN HOLE                | 7:45 PM        |           | Bbls CMT CIRC TO SURFACE <b>2</b>                |
| BEGIN CIRC                  | 7:58 PM        |           | RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE |
| BEGIN PUMP CMT              | 8:05 PM        | 8:25 PM   | DID BACK PRES. VALVE HOLD ? <b>N/A</b>           |
| BEGIN DSPL. CMT             | 8:15 PM        |           | BUMPED PLUG TO <b>390</b> PSI                    |
| PLUG DOWN                   | <b>8:30 PM</b> | <b>NA</b> |  |

|             |            |  |
|-------------|------------|--|
| CEMENT USED |            | CEMENT COMPANY- <b>BJ</b>  |
| STAGE       | # SX       | CEMENT TYPE & ADDITIVES  |
| <b>1</b>    | <b>141</b> | Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield                |
| <b>2</b>    | <b>20</b>  | Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield (pumped dn 1") |
| <b>3</b>    |            |  |

|  |                     |
|--|---------------------|
| CENTRALIZER & SCRATCHER PLACEMENT  | SHOW MAKE & SPACING |
| 1 on middle of first JT, 1 on collar of the second & third JT. TOTAL 3.  |                     |
| <div style="text-align: right;"> <b>JUL 16 2009</b><br/> <b>INLAND PRODUCTION COMPANY</b><br/> <b>CIL, GAS AND MINING</b> </div> |                     |

COMPANY REPRESENTATIVE

**Gary Dietz**

DATE

**7/15/00**



July 17, 2000

State of Utah  
Division of Oil, Gas & Mining  
Attn: Carol Daniels  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Carol:

Please find enclosed DOGM form - 5, for the Odekirk Spring 1-36-8-17. If you have any questions feel free to call me @ 435-823-7468 cell, or 435-646-3721 office any time.

Sincerely,

PAT WISENER  
Drilling Foreman

Enclosures

*pw*

RECEIVED

JUL 25 2000

DIVISION OF  
OIL, GAS AND MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

|   |  |  |  |
|---|--|--|--|
| <b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.<br>Use "APPLICATION FOR PERMIT--" for such proposals.)  |  | <b>5. LEASE DESIGNATION AND SERIAL NO.</b><br><b>ML - 44305</b>  |  |
| <b>2. NAME OF OPERATOR</b><br><b>INLAND PRODUCTION COMPANY</b>  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b><br><br>N/A  |  |
| <b>3. ADDRESS OF OPERATOR</b><br><b>Route 3, Box 3630 Myton, Utah 84052</b><br><b>(435) 646-3721</b>  |  | <b>7. UNIT AGREEMENT NAME</b><br><br>N/A   |  |
| <b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><b>660' FNL &amp; 660' FEL NE/NE</b>  |  | <b>8. FARM OR LEASE NAME</b><br><b>Odekirk Spring</b>  |  |
| <b>14 API NUMBER</b><br><b>43-047-33195</b>   |  | <b>9.</b><br><b># 1-36-8-17</b>  |  |
| <b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.)<br><b>5029.9' GR</b>  |  | <b>10 FIELD AND POOL, OR WILDCAT</b><br><br><b>Monument Butte</b>  |  |
| <b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>  |  | <b>11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b><br><b>Sec 36, T8s, R17E</b>   |  |
| <b>NOTICE OF INTENTION TO:</b><br><br>TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/><br>FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/><br>SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/><br>REPAIR WELL <input type="checkbox"/><br>(OTHER) <input type="checkbox"/>   |  | <b>SUBSEQUENT REPORT OF:</b><br><br>WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/><br>FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/><br>(OTHER) <u>Weekly Status report</u> <input checked="" type="checkbox"/><br><br>(Note: Report results of multiple completion on Well<br>Completion or Recompletion Report and Log form.) |  |
| <b>17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.</b> (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*<br><br>Con't to drill a 7 7/8" hole with air mist to a depth of 3393'. TOH with drill string & BHA. PU & MU bit #4, MM, & BHA. Drill a 7 7/8" hole with water based mud to a depth of 6170' Lay down drill string & BHA. Open hole log. PU & MU 145 jt's 4 1/2" 11.6# J-55 csgn. Set @ 6155 KB. *Cement with *350 sks Premlite II w/10% GEL. & 3% KCL mixed to 11.ppg >3.43 YLD. *550 sks 50/50 POZ w/3% GEL. & 3% KCL mixed to 14.4 ppg. >1.24YLD. Good returns. Bump plug to 1850 psi. Nipple down BOP's. Drop slips with 55,000#. Release rig @ 5:30 am on 7/22/00. WOC |  | <b>12 COUNTY OR PARISH</b><br><b>Uintah</b>  |  |
| <b>18 I hereby certify that the foregoing is true and correct</b>   |  | <b>13 STATE</b><br><b>UT</b>   |  |

SIGNED Pat Wisener

TITLE

Drilling Foreman

DATE

07/24/2000

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED

JUL 25 2000

DIVISION OF  
OIL, GAS AND MINING

# INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

4 1/2" CASING SET AT 6156'

LAST CASING 8 5/8" SET AT @ 305'  
 DATUM 10' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 6170' LOGGER TD @ 6169  
 HOLE SIZE 7 7/8"

OPERATOR INLAND PRODUCTION COMPANY  
 WELL Odekirk State 1-36-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # UNION RIG 14

## LOG OF CASING STRING:

| PIECES   | OD     | ITEM - MAKE - DESCRIPTION   |                     | WT / FT  | GRD  | THREAD | CONDT | LENGTH                   |        |
|--|--------|---|---------------------|--|------|--------|-------|--------------------------|--------|
|  |        | LANDING JT  |                     |  |      |        |       | 12.4                     |        |
| 145  | 4 1/2" | Maverick LT & C casing  |                     | 11.6#  | J-55 | 8rd    | A     | 6144.95                  |        |
|  |        |   |                     |  |      |        |       |                          |        |
|  |        |   |                     |  |      |        |       |                          |        |
|  |        |   |                     |  |      |        |       |                          |        |
|  |        | SHOE - <b>Float/Guide</b>   |                     |  |      |        |       | 0.8                      |        |
| CASING INVENTORY BAL.  |        | FEET  | JTS                 | TOTAL LENGTH OF STRING   |      |        |       | 6158.15                  |        |
| TOTAL LENGTH OF STRING   |        | 6158.15   | 147                 | LESS CUT OFF PIECE   |      |        |       | 12.4                     |        |
| LESS NON CSG. ITEMS  |        | 13.2  | 2                   | PLUS DATUM TO T/CUT OFF CSG  |      |        |       | 10                       |        |
| PLUS FULL JTS. LEFT OUT  |        | 79.5  | 2                   | CASING SET DEPTH   |      |        |       | 6155.75                  |        |
| TOTAL  |        | 6224.45   | 147                 | } COMPARE<br><br>JUL 25 2000<br><br>DIVISION OF<br>OIL, GAS AND MINING |      |        |       |                          |        |
| TOTAL CSG. DEL. (W/O THRDS)  |        | 6224.45   | 147                 |  |      |        |       |                          |        |
| TIMING   |        | 1ST STAGE   | 2ND STAGE           |  |      |        |       |                          |        |
| BEGIN RUN CSG.   |        | 7:45 PM   |                     |  |      |        |       | GOOD CIRC THRU JOB       | YES    |
| CSG. IN HOLE   |        | 11:00 PM  |                     |  |      |        |       | Bbls CMT CIRC TO SURFACE | no dye |
| BEGIN CIRC   |        | 11:05 PM  |                     | RECIPROCATED PIPE FOR 5 mins. THRU 8' FT STROKE                        |      |        |       |                          |        |
| BEGIN PUMP CMT   |        | 12:46 AM  | 1:17 AM             | DID BACK PRES. VALVE HOLD ?  |      |        |       | YES                      |        |
| BEGIN DSPL. CMT  |        |   | 1:50 AM             | BUMPED PLUG TO   |      |        |       | 1850 PSI                 |        |
| PLUG DOWN  |        |   | 2:07 AM             |  |      |        |       |                          |        |
| CEMENT USED  |        | CEMENT COMPANY- BJ  |                     |  |      |        |       |                          |        |
| STAGE  | # SX   | CEMENT TYPE & ADDITIVES   |                     |  |      |        |       |                          |        |
| 1  | 350    | Premlite 2 W/ .5% S.M., 10% gel, 3#/sk CSE, 2#/sk kolseal, 3% KCL, 1/4#/sk C.F mixed @ 11.0 ppg |                     |  |      |        |       |                          |        |
|  |        | W/ 3.43 cf/sk yield.  |                     |  |      |        |       |                          |        |
| 2  | 550    | 50/50 poz W/ 3% KCL, 1/4#/sk C.F., 2% gel, .3% S.M. mixed @ 14.4 ppg W/ 1.24 cf/sk yield.       |                     |  |      |        |       |                          |        |
|  |        |   |                     |  |      |        |       |                          |        |
| CENTRALIZER & SCRATCHER PLACEMENT  |        |   | SHOW MAKE & SPACING |  |      |        |       |                          |        |
| 1 on middle of first JT, 1on collar of the second & third JT. Then every third collar for a total of 20. |        |   |                     |  |      |        |       |                          |        |
|  |        |   |                     |  |      |        |       |                          |        |

COMPANY REPRESENTATIVE

Gary Dietz

DATE 07/22/2000

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
12/26/00  
DIVISION OF  
OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Odekirk Springs 1-36

API number: 43-047-33195

Well Location: QQ NE/NE Section 36 Township 8S Range 17E County UINTAH

Well Operator: INLAND PRODUCTION COMPANY

Address: Route 3 Box 3630

Myton, Utah 84052

Phone: 435-646-3721

Drilling Contractor: Union Drilling

Address: Drawer 40

Buckhannon, WV 26201

Phone: 304-472-4610

Water encountered (attach additional pages as needed):

| DEPTH |       | VOLUME<br>(FLOW RATE OR HEAD) | QUALITY<br>(FRESH OR SALTY) |
|-------|-------|-------------------------------|-----------------------------|
| FROM  | TO    |                               |                             |
| 3309' | 3339' | Estimated @ 1.5gals/MIN.      | TRONA (salty)               |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |
|       |       |                               |                             |

Formation Tops: Surface ( Uinta )

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

YES

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 07/26/00

Name & Signature: RAM Wisera

Time: 10:00 AM

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

# RECEIVED

Office (435) 722-5066

Fax (435) 722-5007

DIVISION OF  
OIL, GAS AND MINING

## WATER ANALYSIS REPORT

Company INLAND PRODUCTION COMPANY Address \_\_\_\_\_ Date 7/25/00

Source ODEKIRK 1-36 Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

| Analysis                                | mg/l(ppm)                      | *Meg/l                           |
|---|--------------------------------|----------------------------------|
| 1. PH                                   | <u>10.2</u>                    |                                  |
| 2. H <sub>2</sub> S (Qualitative)       | <u>0.0</u>                     |                                  |
| 3. Specific Gravity                     | <u>1.048</u>                   |                                  |
| 4. Dissolved Solids                     | <u>52,741</u>                  |                                  |
| 5. Alkalinity (CaCO <sub>3</sub> )      | CO <sub>3</sub> <u>4,200</u>   | ÷ 30 <u>140</u> CO <sub>3</sub>  |
| 6. Bicarbonate (HCO <sub>3</sub> )      | HCO <sub>3</sub> <u>10,370</u> | ÷ 61 <u>170</u> HCO <sub>3</sub> |
| 7. Hydroxyl (OH)                        | OH <u>0</u>                    | ÷ 17 <u>0</u> OH                 |
| 8. Chlorides (Cl)                       | Cl <u>18,760</u>               | ÷ 35.5 <u>528</u> Cl             |
| 9. Sulfates (SO <sub>4</sub> )          | SO <sub>4</sub> <u>85</u>      | ÷ 48 <u>2</u> SO <sub>4</sub>    |
| 10. Calcium (Ca)                        | Ca <u>25</u>                   | ÷ 20 <u>1</u> Ca                 |
| 11. Magnesium (Mg)                      | Mg <u>4</u>                    | ÷ 12.2 <u>0</u> Mg               |
| 12. Total Hardness (CaCO <sub>3</sub> ) | <u>80</u>                      |                                  |
| 13. Total Iron (Fe)                     | <u>5.0</u>                     |                                  |
| 14. Manganese                           | <u>0.1</u>                     |                                  |
| 15. Phosphate Residuals                 |                                |                                  |

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

|     |    |   |                  |     |
|-----|----|---|------------------|-----|
| 1   | Ca | ← | HCO <sub>3</sub> | 310 |
| 0   | Mg | → | SO <sub>4</sub>  | 2   |
| 839 | Na | → | Cl               | 528 |

| Compound                           | Eqv. Wt. | X          | Meg/l | =             | Mg/l |
|------------------------------------|----------|------------|-------|---------------|------|
| Ca(HCO <sub>3</sub> ) <sub>2</sub> | 81.04    | <u>1</u>   |       | <u>81</u>     |      |
| CaSO <sub>4</sub>                  | 68.07    |            |       |               |      |
| CaCl <sub>2</sub>                  | 55.50    |            |       |               |      |
| Mg(HCO <sub>3</sub> ) <sub>2</sub> | 73.17    |            |       |               |      |
| MgSO <sub>4</sub>                  | 60.19    |            |       |               |      |
| MgCl <sub>2</sub>                  | 47.62    |            |       |               |      |
| NaHCO <sub>3</sub>                 | 84.00    | <u>309</u> |       | <u>25,956</u> |      |
| Na <sub>2</sub> SO <sub>4</sub>    | 71.03    | <u>2</u>   |       | <u>142</u>    |      |
| NaCl                               | 58.46    | <u>528</u> |       | <u>30,867</u> |      |

#### Saturation Values

CaCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

CaSO<sub>4</sub> · 2H<sub>2</sub>O

2,090 Mg/l

MgCO<sub>3</sub>

103 Mg/l

REMARKS \_\_\_\_\_

# INLAND PRODUCTION COMPANY GEOLOGIC PROGNOSIS AND LOG DISTRIBUTION LIST

(Updated 6/8/2000)

**WELL:** Odekirk Spring #1-36-8-17

**API Number:** 43-047-33195

**LOCATION:** 660' FNL, 660' FEL (NENE)  
Section 36, T8S, R17E  
Uintah County, Utah

**ELEVATION:** 5030' Ground  
5040' KB

**TOPS:**

|                       |         |
|-----------------------|---------|
| Uinta Formation       | surface |
| Green River Formation |         |
| Garden Gulch Member   | 4009'   |
| Point Three Marker    | 4558'   |
| 'X' Marker            | 4763'   |
| 'Y' Marker            | 4806'   |
| Douglas Creek Member  | 4932'   |
| Bicarbonate           | 5160'   |
| B Limestone           | 5300'   |
| Castle Peak Limestone | 5770'   |
| Basal Limestones      |         |

**ANTICIPATED PAY SANDS:**

|      |       |
|------|-------|
| GB-4 | 4455' |
| D-2  | 5015' |
| B-1  | 5228' |
| A-3  | 5387' |
| LODC | 5526' |
| CP-1 | 5840' |
| CP-2 | 5881' |

**TOTAL DEPTH:** 6000'

**CORES:** None planned

**DSTS:** None planned

**SAMPLES:** 30' samples from 3000' to TD

**DRILLING:**

Union Rig#14: (435) 828 6434

Pusher: (435) 828 6433 Rex Harris

Superintendent: David Gray (435) 828 8031 (cellular)

**REPORT WATER FLOWS TO UTAH DIVISION OF OIL, GAS AND MINING:** (801) 538 5340

**OPEN HOLE LOGGING:**

Phoenix Surveys: David Jull (435) 637 4420

DIGL/SP/GR Suite: TD to surface casing

CDL/CNL/GR/CAL Suite logs: TD to 3000'

Gamma Ray scale 0-150

Matrix density 2.68

LAS data floppy required.

**DATA DISTRIBUTION:**

**RECEIVED**

JUL 31 2000

**DIVISION OF  
OIL, GAS AND MINING**

Inland Production Company (Mail 6 copies)  
Route #3 Box 3630  
Myton, UT 84052  
Attn: Brad Mecham

Inland Production Company (Mail 6 copies,  
EXPRESS)  
410 17th St., Suite 700  
Denver, CO 80202  
Fax: 303-382-4455  
Attn: Josh Axelson

State of Utah  
Division of Oil, Gas and Mining (Mail 1 copy)  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Bureau of Land Management (Mail 1 copy)  
170 S. 500 East  
Vernal, UT 84078  
Attn: Ed Forsman

**COMPANY CONTACTS:**

**Pat Wisener** (District Drilling Foreman)  
(435) 646 3721 office  
(435) 646 3031 office fax  
(435) 823 7468 cellular  
(435) 646 1270 pager

**Brad Mecham** (District Manager)  
(435) 646 3721 office  
(435) 646 3031 office fax  
(435) 823 6205 cellular  
(435) 353 4211 home

**Donn Murphy** (Operations Manager)  
(303) 893 0102 X440 office  
(303) 526 7748 home  
(435) 823 3737 cellular

Yates Drilling Company  
Abo Petroleum Corporation  
Myco Industries, Inc.  
Attention: Mark Mauritsen  
105 South Fourth Street  
Artesia, NM 88210  
(505) 748 1471  
(505) 748 4570 office fax  
(Mail 1 field print & 2 copies of the final prints)  
**(Fax 1 Field print to: (505) 748 4321)**

**PARTNERS:**

Yates Petroleum Corporation





August 14, 2000

State of Utah  
Division of Oil, Gas & Mining  
Attn: Carol Daniels  
1594 West North Temple-Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Carol;

Please find enclosed DOGM Form 5, for the Odekirk Spring 1-36-8-17. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Sincerely,

Gary Dietz  
Completion Foreman

Enclosures

gd

**RECEIVED**

AUG 15 2000

DIVISION OF  
OIL, GAS AND MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

|  |   |
|--|---|
| 5. LEASE DESIGNATION AND SERIAL NO.<br><b>ML-44305</b>                           |   |
| 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME<br><b>N/A</b>                              |   |
| 7. UNIT AGREEMENT NAME<br><b>NA</b>  |   |
| 8. FARM OR LEASE NAME<br><b>Odekirk Spring</b>                                   |   |
| 9.<br><b>1-36-8-17</b>   |   |
| 10. FIELD AND POOL, OR WILDCAT<br><b>Monument Butte</b>                          |   |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br><b>Section 36, T8S, R17E</b> |   |
| 14. API NUMBER<br><b>43-047-33195</b>  | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>5029.9' GR</b> |
| 12. COUNTY OR PARISH<br><b>Uintah</b>  | 13. STATE<br><b>UT</b>  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         |   | (OTHER) <u>Weekly Status</u> <input checked="" type="checkbox"/>                                      |  |
| (OTHER) _____ <input type="checkbox"/>       |   | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Status report for time period 8/7/00 through 8/13/00.

Subject well had completion procedures initiated on 8/10/00. One Green River interval has been perforated and hydraulically fractured. Two add'l Green River intervals await treatment at present time.

18 I hereby certify that the foregoing is true and correct  
SIGNED Gary Dietz TITLE Completion Foreman DATE 8/14/00

(This space for Federal or State office use)

APPROVED BY Peter Engr. TITLE Peter Engr. DATE 8-15-00

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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AUG 15 2000

DIVISION OF  
OIL, GAS AND MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

|  |  |   |                       |
|--|--|---|-----------------------|
| 1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.<br>Use "APPLICATION FOR PERMIT--" for such proposals.) |  | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>ML-44305</b>                          |                       |
| 2. NAME OF OPERATOR<br><b>INLAND PRODUCTION COMPANY</b>  |  | 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME<br><br><b>N/A</b>                         |                       |
| 3. ADDRESS OF OPERATOR<br><b>Route 3, Box 3630 Myton, Utah 84052<br/>(435) 646-3721</b>  |  | 7. UNIT AGREEMENT NAME<br><br><b>NA</b>   |                       |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><b>660' FNL &amp; 660' FEL NE/NE</b>                              |  | 8. FARM OR LEASE NAME<br><b>Odekirk Spring</b>                                  |                       |
| 14 API NUMBER<br><b>43-047-33195</b>   |  | 9.<br><b>1-36-8-17</b>  |                       |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>5029.9' GR</b>  |  | 10 FIELD AND POOL, OR WILDCAT<br><br><b>Monument Butte</b>                      |                       |
|  |  | 11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br><b>Section 36, T8S, R17E</b> |                       |
|  |  | 12 COUNTY OR PARISH<br><b>Uintah</b>  | 13 STATE<br><b>UT</b> |

|   |   |   |  |
|---|---|---|--|
| 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data |   |   |  |
| NOTICE OF INTENTION TO:   |   | SUBSEQUENT REPORT OF:   |  |
| TEST WATER SHUT-OFF <input type="checkbox"/>                                  | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>                                       | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>                                     | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>  |   | (OTHER) <u>Weekly Status</u>  | <input checked="" type="checkbox"/>      |
| (OTHER) _____   |   | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |  |

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Status report for time period 8/14/00 through 8/20/00.  
Subject well had completion procedures initiated on 8/10/00. A total of three Green River intervals were perforated and hydraulically fractured. Bridge plugs and sand plugs were removed from wellbore. Zones were swab tested to clean up sand. Production equipment was ran in well. Began producing on pump on 8/19/00.

18 I hereby certify that the foregoing is true and correct  
SIGNED Gary Dietz TITLE Completion Foreman DATE 8/20/00  
Gary Dietz

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING



September 14, 2000

Bureau of Land Management  
Vernal District Office, Division of Minerals  
170 South 500 East  
Vernal, Utah 84078

Attn: Mr. Edwin I. Forsman

Re: **ODEKIRK SPRING 1-36-8-17**  
**NE NE Section 36-8S-17E**  
**Duchesne County, Utah**

Dear Mr. Forsman:

Enclosed are duplicate copies of the Well Completion form (Form 3160-4) and a set of logs for the above referenced well.

If you should have any questions, please contact me at (303) 893-0102.

Sincerely,

*Madalyn M. Runge*

Madalyn M. Runge  
Operations Secretary

Enclosures

cc: State of Utah, Division of Oil, Gas and Mining  
Attn: Mr. Robert Krueger  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Well File – Denver  
Well File – Roosevelt  
Patsy Barreau/Denver  
Bob Jewett/Denver

**RECEIVED**

**SEP 18 2000**

**DIVISION OF  
OIL, GAS AND MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

INLAND RESOURCES INC.

3. ADDRESS AND TELEPHONE NO.

410 17th St. Suite 700 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

660' FNL & 660' FEL (NE NE) SECTION 36 - T8S - R17E

At top prod. Interval reported below

At total depth

14. PERMIT NO.

43-047-33195

DATE ISSUED

2-16-00

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

15. DATE SPUDED

07/14/00

16. DATE T.D. REACHED

07/21/00

17. DATE COMPL. (Ready to prod.)

08/19/00

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5030' GR

19. ELEV. CASINGHEAD

5040' KB

20. TOTAL DEPTH, MD & TVD

6169'

21. PLUG BACK T.D., MD & TVD

6124'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 5228' - 5887'

RECEIVED

SEP 18 2000

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

8-30-00 CBL/CCL/GR

DIGL/SPICDL 8-02-00

DIVISION OF

OIL, GAS AND MINING

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD   | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|-----------------------------------|---------------|
| 8-5/8             | 24#             | 305'           | 12-1/4    | 161 sx Class G + 2% CaCL2         |               |
| 4-1/2"            | 11.6#           | 6156'          | 7-7/8     | 550 sx Premlite & 550 sx 50/50 po |               |
|                   |                 |                |           |                                   |               |
|                   |                 |                |           |                                   |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
|      |          |             |               |             |
|      |          |             |               |             |

30. TUBING RECORD

| SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|
| 2-7/8 | EOT @ 5922'    | TA @ 5787'      |
|       |                |                 |

31. PERFORATION RECORD (Interval, size and number)

| INTERVAL                | SIZE   | NUMBER |
|-------------------------|--------|--------|
| (CP Sds) 5814' - 5887'  | 4 JSPF | 52     |
| (LDC Sds) 5580' - 5622' | 4 JSPF | 128    |
| (B Sds) 5228' - 5260    | 4 JSPF | 128    |

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED              |
|---------------------|---|
| 5814' - 5887'       | Frac w/ 78,560# 20/40 sand in 476 bbls fluid  |
| 5580' - 5622'       | Frac w/ 100,781# 20/40 sand in 558 bbls fluid |
| 5228' - 5260'       | Frac w/ 94,994# 20/40 sand in 575 bbls fluid  |

33.\* PRODUCTION

|                                   |                 |  |                            |            |             |             |   |               |
|-----------------------------------|-----------------|--|----------------------------|------------|-------------|-------------|---|---------------|
| DATE FIRST PRODUCTION<br>08/19/00 |                 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br>2-1/2" x 1-1/2" x 16' RHAC Pump |                            |            |             |             | WELL STATUS (Producing or shut-in)<br>PRODUCING |               |
| DATE OF TEST                      | HOURS TESTED    | CHOKE SIZE   | PROD'N. FOR<br>TEST PERIOD | OIL--BBLs. | GAS--MCF.   | WATER--BBL. |   | GAS-OIL RATIO |
| 10 day average                    |                 |  | →                          | 127        | 39          | 2           |   | 307           |
| FLOW. TUBING PRESS.               | CASING PRESSURE | CALCULATED<br>24-HOUR RATE   | OIL-BBL.                   | GAS--MCF.  | WATER--BBL. |             | OIL GRAVITY-API (CORR.)                         |               |
|                                   |                 | →  |                            |            |             |             |   |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs In Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Senior Operations Engineer

DATE

9/14/00

\*(See Instructions and Spaces for Additional Data on Reverse Side)

| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); |     |        |                             | 38. GEOLOGIC MARKERS  |             |                  |
|---|-----|--------|-----------------------------|-----------------------|-------------|------------------|
| FORMATION   | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                  | MEAS. DEPTH | TRUE VERT. DEPTH |
|   |     |        | ODEKIRK SPRING 1-36-8-17    | Garden Gulch Mkr      | 4006'       |                  |
|   |     |        |                             | Garden Gulch 2        | 4294'       |                  |
|   |     |        |                             | Point 3 Mkr           | 4558'       |                  |
|   |     |        |                             | X Mkr                 | 4774'       |                  |
|   |     |        |                             | Y-Mkr                 | 4810'       |                  |
|   |     |        |                             | Douglas Creek Mkr     | 4938'       |                  |
|   |     |        |                             | BiCarbonate Mkr       | 5168'       |                  |
|   |     |        |                             | B Limestone Mkr       | 5298'       |                  |
|   |     |        |                             | Castle Peak           | 5800'       |                  |
|   |     |        |                             | Basal Carbonate       |             |                  |
|   |     |        |                             | Total Depth (LOGGERS) | 6169'       |                  |



December 5, 2000

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

Re: Permit Application for Water Injection Well  
Odekirk Spring State #1-36-8-17  
Monument Butte Field, Odekirk Spring Unit, Lease #ML-44305  
Section 36-Township 8S-Range 17E  
Uintah County, Utah  
*238-3.4*

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Odekirk Spring State #1-36-8-17 from a producing oil well to a water injection well in the Odekirk Spring Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Joyce McGough or George Rooney at (303) 893-0102.

Sincerely,

Joyce McGough  
Regulatory Specialist

Enclosure

*238-3 Odekirk Spring 36*  
*238-3.4*  
*238-3.5*  
*238-3.6*  
*NOTED 11-13-00 Jc*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 Seventeenth Street, Suite 700 Denver, CO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NE NE 660' fnl & 660' fel Sec. 36, T8S, R17E**

5. Lease Designation and Serial No.

**ML-44305**

6. If Indian, Allottee or Tribe Name

**NA**

7. If unit or CA, Agreement Designation

**Odekirk Spring**

8. Well Name and No.

**Odekirk Spring State 1-36**

9. API Well No.

**43-047-33195**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Uintah County, UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing repair

☐ Altering Casing

☐ Other \_\_\_\_\_

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☒ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Please see attached injection application.

14. I hereby certify that the foregoing is true and correct

Signed

**Joyce I. McGough**

Title

**Regulatory Specialist**

Date

**12-05-00**

(This space of Federal or State office use.)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company  
ADDRESS 410 17th Street, Suite 700  
Denver, Colorado 80202

Well Name and number: Odekirk Spring State 1-36-8-17  
Field or Unit name: Monument Butte Field Lease No. ML-44305  
Well Location: QQ NE/NE section 36 township 8S range 17E county Uintah

Is this application for expansion of an existing project? ..... Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? ..... Yes ☒ No ☐  
Disposal? ..... Yes ☐ No ☒  
Storage? ..... Yes ☐ No ☒

Is this application for a new well to be drilled? ..... Yes ☐ No ☒

If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes ☐ No ☒

Date of test: Will be done at time of conversion

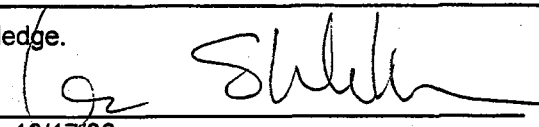
API number: 43-047-33195

Proposed injection interval: from 5228' to 5887'  
Proposed maximum injection: rate 500 bpd pressure 1145 psig  
Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should  
accompany this form.

List of Attachments: Cover letter

I certify that this report is true and complete to the best of my knowledge.

Name: Kevin Weller Signature   
Title Operations Engineer Date 10/17/00  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:



December 5, 2000

Mr. Edwin I. Forsman  
Bureau of Land Management  
Vernal District Office, Division of Minerals  
170 South 500 East  
Vernal, Utah 84078

RE: Odekirk Spring State #1-36-8-17  
Section 36-Township 8S-Range 17E  
Uintah County, Utah

Dear Mr. Forsman:

Inland Production Company, as operator of the above referenced well, has requested to convert the above well from a producer to an injector. Enclosed for your review is a copy of the application filed with the State of Utah. Also enclosed is a copy of the sundry notice of intent.

Should you have any questions, please contact me or George Rooney at 303/893-0102.

Sincerely,

Joyce McGough  
Regulatory Specialist

Enclosures



December 5, 2000

Mr. Emmett Schmitz  
U.S. Environmental Protection Agency  
Region VIII  
999 18<sup>th</sup> Street, Suite 500  
Denver, Colorado 80202-2405

RE: Permit Application for Water Injection Well  
Odekirk Spring State #1-36-8-17  
Monument Butte Field, Odekirk Spring Unit, Lease #ML-44305  
Section 36-Township 8S-Range 17E  
Uintah County, Utah

Dear Mr. Schmitz:

Inland Production Company herein requests a permit to convert the Odekirk Spring State #1-36-8-17 from a producing oil well to a water injection well.

Included with this application is a cement bond log for your convenience. As they are difficult to copy, however, I would very much appreciate its return.

I hope you find this application complete; however, if you have any questions or require additional information, please contact George Rooney at (303) 893-0102.

Sincerely,

Bill Pennington  
Chief Executive Officer

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**ODEKIRK SPRING STATE #1-36-8-17**  
**MONUMENT BUTTE (GREEN RIVER) FIELD**  
**LEASE #ML-44305**  
**ODEKIRK SPRING UNIT**  
**DECEMBER 5, 2000**

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## UNDERGROUND INJECTION CONTROL

## PERMIT APPLICATION

(Collected under the authority of the Safe Drinking Water Act, Sections 1421, 1422, 40 CFR 144)

Form

4

UIC



I. EPA ID NUMBER

T/A

C

U

READ ATTACHED INSTRUCTIONS BEFORE STARTING

FOR OFFICIAL USE ONLY

Application Approved

mo day year

Date Received

mo day year

Permit/Well Number

Comments

## II. FACILITY NAME AND ADDRESS

Facility Name

Odekirk Spring State 1-36-8-17

Street Address

Section 36 - Township 8S - Range 17E

City

Uintah County

State

Utah

Zip Code

## III. OWNER/OPERATOR AND ADDRESS

Owner/Operator Name

Inland Production Company

Street Address

410 17th Street, Suite 700

City

Denver

State

CO

Zip Code

80202

## IV. OWNERSHIP STATUS (Mark 'x')

A. Federal

☒ B. State

C. Private

D. Public

E. Other (Explain)

## V. SIC CODES

## VI. WELL STATUS (Mark 'x')

☒ A.

Operating

Date Started

mo

day

year

8

19

2000

☒ B.

Modification/Conversion

C. Proposed

## VII. TYPE OF PERMIT REQUESTED (Mark 'x' and specify if required)

☒ A. Individual☐ B. Area

Minor Modification

Number of Exist-  
ing wells

1

Number of Pro-  
posed wells

1

Name(s) of field(s) or project(s)

Odekirk Spring Unit

## VIII. CLASS AND TYPE WELL (see reverse)

A. Class(es)  
(enter codes(s))

II

B. Type(s)  
(enter codes(s))

R

C. If class is "other" or type is code 'x', explain

NA

D. Number of wells per type (if area permit)

1

## IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT

## X. INDIAN LANDS (Mark 'x')

C

A. Latitude

B. Longitude

Township and Range

☐ Yes ☒ No

Deg

Min

Sec

Deg

Min

Sec

Twp

Range

Sec

1/4 Sec

Feet from

Line

Feet from

Line

E

E

E

E

E

E

E

E

E

E

## XI. ATTACHMENTS

(Complete the following questions on a separate sheet(s) and number accordingly; see instructions)

FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A -- U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application.

## XII. CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

A. Name and Title (Type or Print)

Bill Pennington / Chief Executive Officer

B. Phone No. (Area Code and No.)

303-893-0102

C. Signature

D. Date Signed

Dec. 5, 2000

## **WORK PROCEDURE FOR INJECTION CONVERSION**

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

# Odekirk Spring #1-36-8-17

Spud Date: 07-14-00  
Put on Prod: 08-19-00  
GL: 5030' KB: 5040'

Initial Production: 127 BOPD,  
39 MCFPD, 2 BWPD

## Proposed Injection Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.54')  
DEPTH LANDED: 305' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 161 sxs Class "G" /2% CaCl2

### PRODUCTION CASING

CSG SIZE: 4-1/2"  
GRADE: J-55  
WEIGHT: 11.6#  
LENGTH: 145 jts. (6144.95')  
DEPTH LANDED: 6156'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Premlite and 550 sxs 50/50 Pozmix.

### TUBING

SIZE/GRADE/WT.: 2-3/8", J-55  
NO. OF JOINTS: 182 jts  
PACKER: 5200' KB  
TOTAL STRING LENGTH: 5911.53'; EOT @ 5922'

### FRAC JOB

08-11-00 5815-887' Frac CP sds w/78,560# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs broke @ 3950 psi. Avg press 3400 psi w/avg. rate 30 BPM. ISIP 2900 psi; 5 min 2300 psi. Flow back 12/64" choke 3 hrs & died.

08-12-00 5580-622' Frac LDC sands w/100,781# 20/40 sand in 558 bbls Viking I-25 fluid. Perfs broke @ 2177 psi. ISIP 2408 psi; 5 min 2295 psi. Avg rate 34.7 BPM. Flow back 12/64" choke for 4 hrs & died.

08-15-00 5228-260' Frac B sands w/94,994# 20/40 sand in 575 bbls Viking I25 fluid. Perfs broke down @ 1750 psi. Avg. press 1420 psi; avg rate of 31.5 BPM. ISIP 1160 psi; 5 min 1120 psi. Flowback on 12/64" choke for 1 hr & died.

### PERFORATION RECORD

|          |            |       |           |
|----------|------------|-------|-----------|
| 08-10-00 | 5815'-816' | 4 SPF | 4 shots   |
| 08-10-00 | 5876'-887' | 4 SPF | 36 shots  |
| 08-12-00 | 5580'-590' | 4 SPF | 40 shots  |
| 08-12-00 | 5592'-603' | 4 SPF | 33 shots  |
| 08-12-00 | 5611'-622' | 4 SPF | 44 shots  |
| 08-15-00 | 5228'-260' | 4 SPF | 128 shots |

Packer @ 5197' KB

5228'-5260'  
5580'-5590'  
5592'-5603'  
5611'-5622'  
5815'-5816'  
5876'-5887'

EOT @ 5922'  
PBT @ 6124'  
TD @ 6169'



**Inland Resources Inc.**

**Odekirk Spring #1-36-8-17**

660' FNL and 660' FEL

NENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33195; Lease #ML-44305



# Odekirk Spring #1-36-8-17

Spud Date: 07-14-00  
Put on Prod: 08-19-00  
GL: 5030' KB: 5040'

Initial Production: 127 BOPD,  
39 MCFPD, 2 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.54')  
DEPTH LANDED: 305' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 161 sxs Class "G" /2% CaCl2

### PRODUCTION CASING

CSG SIZE: 4-1/2"  
GRADE: J-55  
WEIGHT: 11.6#  
LENGTH: 145 jts. (6144.95')  
DEPTH LANDED: 6156'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Premlite and 550 sxs 50/50 Pozmix.

### TUBING

SIZE/GRADE/WT.: 2-3/8", J-55  
NO. OF JOINTS: 182 jts.  
TUBING ANCHOR: 5787' KB  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: 5911.53'  
SN LANDED AT: 5855' KB

### SUCKER RODS

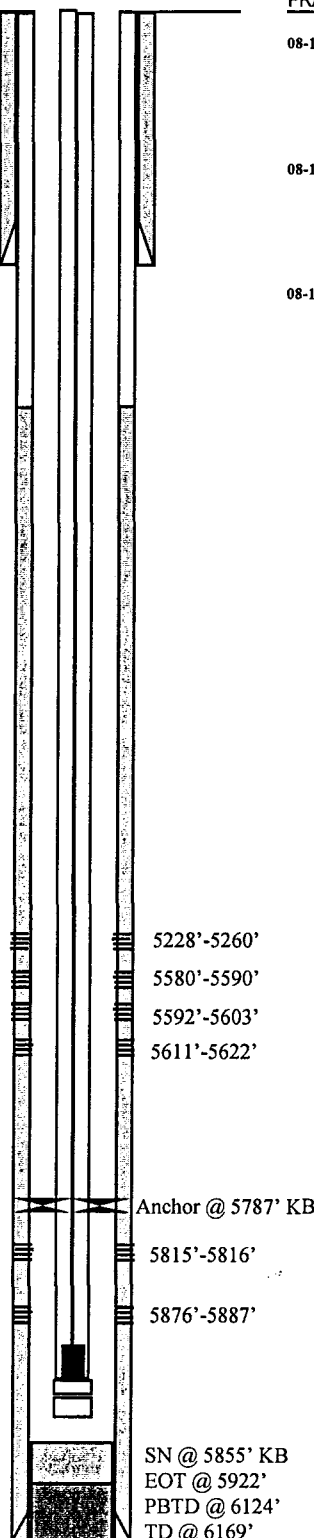
POLISHED ROD: 1 1/4" x 22' polished rod.  
SUCKER RODS: 4 1-1/2" wt rods, 10 3/4" scraped, 129 3/4" plain rods, 90 3/4" scraped, 1-8", 1-6' and 1-4' x 3/4" pony rods.  
PUMP SIZE: 2" x 1-1/2" x 16" RWAC pump  
STROKE LENGTH: 86"  
PUMP SPEED: 7 SPM  
LOGS: DIGL/SP/GR/CAL 6169' (TD) to surface casing  
CNL/CDL/GR 6169' (TD) to 3000'

### FRAC JOB

08-11-00 5815-887' Frac CP sds w/78,560# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs broke @ 3950 psi. Avg press 3400 psi w/avg. rate 30 BPM. ISIP 2900 psi; 5 min 2300 psi. Flow back 12/64" choke 3 hrs & died.  
08-12-00 5580-622' Frac LDC sands w/100,781# 20/40 sand in 558 bbls Viking I-25 fluid. Perfs broke @ 2177 psi. ISIP 2408 psi; 5 min 2295 psi. Avg rate 34.7 BPM. Flow back 12/64" choke for 4 hrs & died.  
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### PERFORATION RECORD

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|----------|------------|-------|-----------|
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| 08-12-00 | 5592'-603' | 4 SPF | 33 shots  |
| 08-12-00 | 5611'-622' | 4 SPF | 44 shots  |
| 08-15-00 | 5228'-260' | 4 SPF | 128 shots |



Inland Resources Inc.

Odekirk Spring #1-36-8-17

660' FNL and 660' FEL

NENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33195; Lease #ML-44305

**ATTACHMENT A**  
**AREA OF REVIEW METHODS**

**Give the methods and, if appropriate, the calculations used to determine the size of the area of review (fixed radius or equation). The area of review shall be a fixed radius of 1/4 mile from the well bore unless the use of an equation is approved in advance by the Director.**

The area of review shall be a fixed radius of ½ mile from the Odekirk Sping State #1-36-8-17. Inland Production Company has chosen to use a fixed radius of ½ mile to satisfy the requirements of both the EPA and the State of Utah.

Attachment A-1 One-half Mile Radius Map

Attachment A-2 Listing of Surface Owners

Attachment A-3 Certification for Surface Owner Notification

Attachment A-4 Well Location Plat

Attachment A-5 Name(s) and Address(s) of Surface Owners



# Attachment A-2

Page 1

| #  | Land Description   | Minerals Ownership &<br>Expires | Minerals<br>Leased By  | Surface Rights                    |
|----|--|---------------------------------|--|-----------------------------------|
| 1  | <u>Township 8 South, Range 17 East</u><br>Section 24: Lot 1, E/2SE/4<br>Section 25: E/2E.2, SW/4SW/4<br>Section 26: SE/4SE/4 | UTU-74870<br>HBP                | Inland Production Company  | (Surface Rights)<br>USA           |
| 2  | <u>Township 8 South, Range 17 East</u><br>Section 36: ALL  | ML-44305<br>HBP                 | Inland Production Company<br>Yates Petroleum Corporation<br>Abo Petroleum Corporation<br>Yates Drilling Company<br>Myco Industries | (Surface Rights)<br>State of Utah |
| 3. | <u>Township 8 South, Range 17 East</u><br>Section 25: W/2E/2, NW/4, N/2SW/4<br>SE/4SW/4<br>Section 26: N/2NE/4, NE/4SE/4     | U-67845<br>HBP                  | Inland Production Company  | (Surface Rights)<br>USA           |

# Attachment A-2

Page 2

| #  | Land Description   | Minerals Ownership &<br>Expires | Minerals<br>Leased By  | Surface Rights          |
|----|--|---------------------------------|--|-------------------------|
| 4. | <u>Township 8 South Range 18 East</u><br>Section 26: SW/4SW/4<br>Section 31: Lots 1,2 , NE/4, E/2NW/4<br>Section 33: N/2 | UTU-74872<br>10/18/2005         | Inland Production Company  | (Surface Rights)<br>USA |
| 5. | <u>Township 8 South Range 18 East</u><br>Section 31: Lots 3, 4, E/2SW/4, N/2SE/4<br>SW/4SE/4                             | UTU-74404<br>7/1/2005           | Inland Production Company<br>Yates Petroleum Corporation<br>Yates Drilling Company<br>Myco Industries, Inc.<br>Abo Petroleum Corporation | (Surface Rights)<br>USA |

ATTACHMENT A-3

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

Re: Application for Approval of Class II Injection Well  
Odekirk Spring State #1-36-8-17

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:

Bill Pennington

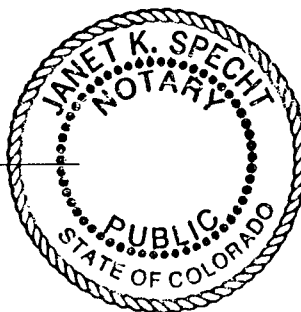
Inland Production Company  
Bill Pennington  
Chief Executive Officer

Sworn to and subscribed before me this 7<sup>th</sup> day of December, 2000.

Notary Public in and for the State of Colorado:

Janet K. Specht

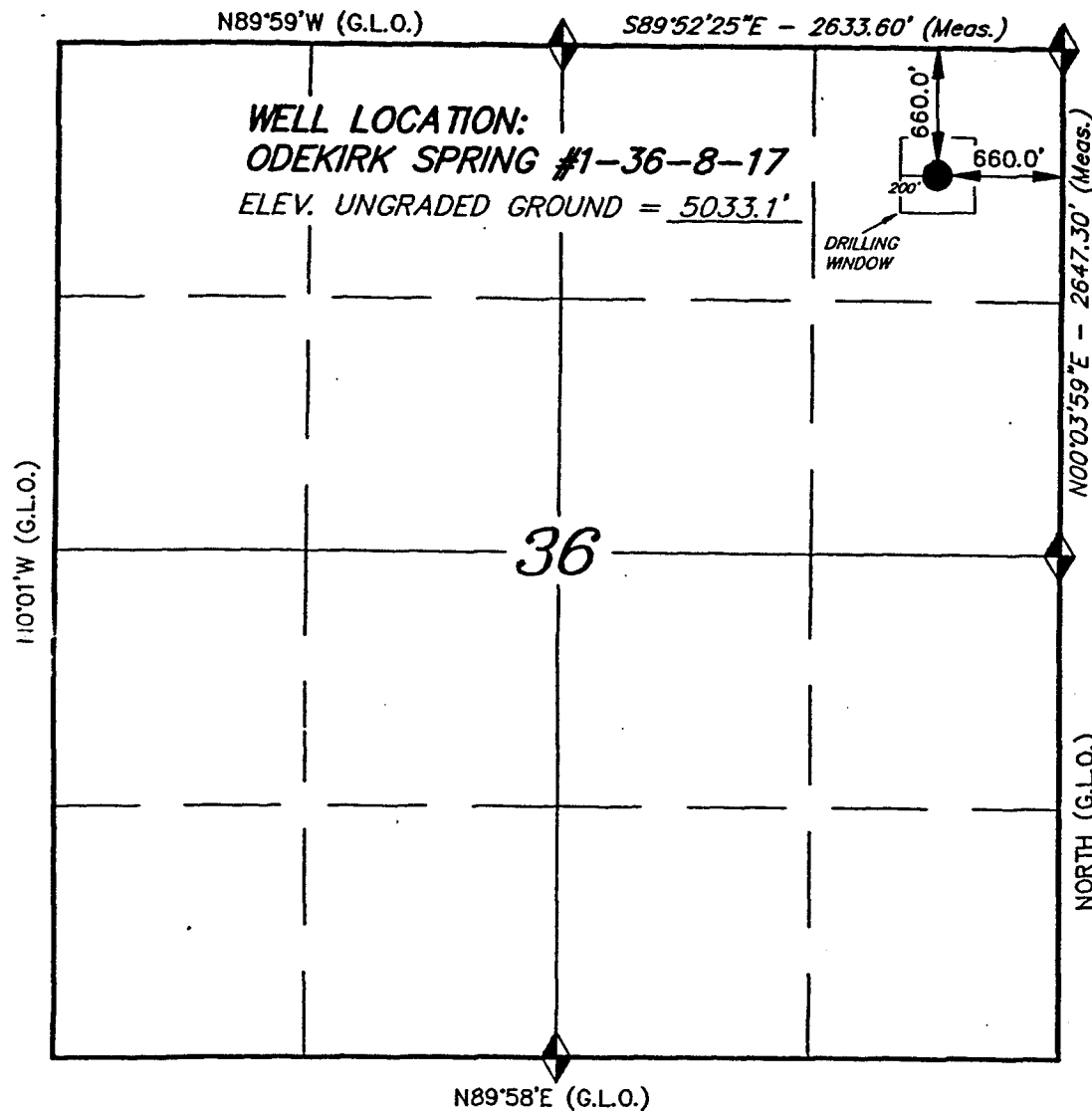
My commission expires: 7/16/00



**T8S, R17E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, ODEKIRK SPRING  
#1-36-8-17, LOCATED AS SHOWN IN THE  
NE 1/4 NE 1/4 OF SECTION 36, T8S, R17E,  
S.L.B.&M. UINTAH COUNTY, UTAH.



Attachment A-4

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

RECEIVED  
GENE STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 144402  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

|                   |                   |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.S. |
| DATE: 9-19-98     | WEATHER: WARM     |
| REVISIONS:        | FILE #            |

**ATTACHMENT A-5**

**Names and Addresses of Surface Owners**

1. USA



## **ATTACHMENT B**

### **MAPS OF WELLS/AREA AND AREA OF REVIEW**

**Submit a topographic map, extending one mile beyond the property boundaries, showing the injection well(s) or project area for which a permit is sought and the applicable area of review.**

There are no hazardous waste, treatment, storage or disposal facilities within a one-mile radius of the property boundaries.

Attachment B-1 Area of Review and Existing/Proposed Waterlines



## **ATTACHMENT C**

### **CORRECTIVE ACTION PLAN AND WELL DATA**

**Submit a tabulation of data reasonably available from public records or otherwise known to the applicant on all wells within the area of review, including those on the map required in Attachment B, which penetrate the proposed injection zone.**

Step rate tests will be performed periodically to determine the fracture pressure. The injection pressure will be kept under the fracture pressure.

|                |   |
|----------------|---|
| Attachment C-1 | Wellbore Diagram – Odekirk Spring State #34-25-8-17 |
| Attachment C-2 | Wellbore Diagram – Odekirk Spring State #2-36-8-17  |
| Attachment C-3 | Wellbore Diagram – Odekirk Spring State #7-36-8-17  |
| Attachment C-4 | Wellbore Diagram – Odekirk Spring State #8-36-8-17  |

## Balcron Monument Federal #34-25

Elev.GR - 5007.60' GL  
Elev.KB - 5017.60' KB (10' KB)

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 288.77'  
DEPTH LANDED: 298.77' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: BJ Services: 190 sks  
"G", 2% CACL<sub>2</sub>, 1/4#/sk  
Cello-Seal

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 6098.14'  
DEPTH LANDED: 6108.14' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: BJ Services: 220 sks  
Super "G", 47#/sk G,  
20#/sk POZ A, 17#/sk CSE,  
3% salt, 2% gel, 2#/sk Hi-Seal,  
Tail w/395 sks 50/50 POZ,  
2% gel, 1/4#/sk Cello-Seal,  
2#/sk Hi-Seal2.

CEMENT TOP AT: 1730' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#  
NO. OF JOINTS: 166 Jts (5197.44')  
TUBING ANCHOR: 2-7/8"x5-1/2"x2.35' Trico @ 5209.79'  
NO. OF JOINTS: 3 Jts (95.19')  
SEATING NIPPLE: 2-7/8"x1.10'  
PERFORATED SUB: 2-7/8"x4.20'  
MUD ANCHOR: 2-7/8"x28.42'  
STRING LENGTH: 5328.70'  
SN LANDED AT: 5304.98' KB

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM  
SUCKER RODS: 2-3/4"x4' Pony  
212-3/4"x25' D-61 Plain

TOTAL STRING LENGTH: 5330'

PUMP NUMBER: Trico #1124  
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 86 inches  
PUMP SPEED, SPM: 3 SPM  
PUMPING UNIT: American C-228  
PRIME MOVER: Ajax E-42

ACID JOB /BREAKDOWN

10/19/95 5257' - 5268' BJ Services: 4179 gal 2%  
5271' - 5283' KCL wtr w/ 184 ball sealers.  
Ball action no ball off.  
ATP=1400 psi, ATR=  
6.2 bpm, ISIP=550 psi.

FRAC JOB

10/20/95 5257' - 5268' BJ Services: 36,456 gal  
5271' - 2% KCL wtr w/59,120#  
20/40 sand, 87,240# 16/30  
sand. ATP= 1500 psi,  
ATR=37.5 bpm, ISIP=  
1550 psi, 5 min=1300 psi,  
10 min=1250 psi, 15 min=  
1200 psi, 30 min=1030 psi.

TOC @ 1730' KB

PERFORATION RECORD

10/19/95 Cutter 5257' - 5268' 4 SPF G-1L  
5271' - 5283' 4 SPF G-1L

5257' - 5268' G-1L  
5271' - 5283' G-1L

SN LANDED @ 5305' KB  
EOT LANDED @ 5338.70' KB

PBTD @ 6055' KB  
TD @ 6175' KB



Inland Resources Inc.

Balcron Monument Federal #34-25  
Monument Butte ( Humpback Unit )  
Lease #U-67845  
SW SE Section 25, T8S, R17E  
800' FSL, 2100' FEL  
Uintah County, Utah

## Odekirk Spring #2-36-8-17

Spud Date: 6-8-98  
Put on Production: 7-8-98  
GL: 5039.9' KB: 5049.9'

Initial Production: 130 BOPD,  
54 MCFPD, 2 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (299')  
DEPTH LANDED: 309'(GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Premium cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (5979')  
DEPTH LANDED: 5988'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 250 sx Premium mixed & 330 sx Class G  
CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 184 jts.  
TUBING ANCHOR: 5717'  
SEATING NIPPLE: 2-7/8" (1.10")  
TOTAL STRING LENGTH: EOT @ 5843'  
SN LANDED AT: 5749'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-11/2" wt rods, 4-3/4" scraped, 125-3/4" plain rods, 95-3/4" scraped, 1-2', 1-4', 1-6', 1-8' x 3/4" pony  
PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
STROKE LENGTH: 100"  
PUMP SPEED, SPM: 5.5 SPM  
LOGS: DIGL/SP/GR/CAL 5986'-307'  
CN/CD/GR 5966'-3000'

FRAC JOB

6-27-98 5805'-5907' **Frac CP sands as follows:**  
111,000# 20/40 sand in 697 bbls Viking frac fluid. Perfs brokedown @ 2710 psi. Treated @ avg press of 1210 psi w/avg rate of 32.6 bpm. ISIP: 1500 psi, 5-min 1360 psi. Flowback on 12/64" choke for 4.5 hours and died.

6-30-98 5506'-5644' **Frac LDC sand as follows:**  
128,040# of 20/40 sand in 605 bbls Viking frac fluid. Perfs brokedown @ 2200 psi. Treated @ avg press of 1700 psi w/avg rate of 35.6 bpm. ISIP: 1800 psi, 5-min 1575 psi. Flowback on 12/64" choke for 3 hours and died.

7-1-98 5388'-5427' **Frac A sand as follows:**  
105,020# 20/40 sand in 539 bbls Viking frac fluid. Perfs brokedown @ 2400 psi. Treated @ avg press of 1500 psi w/avg rate of 28.5 bpm. ISIP: 1800 psi, 5-min 1666 psi. Flowback on 12/64" choke for 3 hours and died.

7-3-98 5208'-5244' **Frac B sands as follows:**  
89,120# of 20/40 sand in 486 bbls Viking frac fluid. Perfs brokedown @ 3021 psi. Treated @ avg press of 1603 psi w/avg rate of 26.4 bpm. ISIP: 1640 psi, 5-min 1476 psi. Flowback on 12/64" choke for 3 hours and died.

PERFORATION RECORD

|         |             |        |          |
|---------|-------------|--------|----------|
| 6-26-98 | 5805'-5809' | 2 JSPF | 8 holes  |
| 6-26-98 | 5819'-5821' | 2 JSPF | 6 holes  |
| 6-26-98 | 5830'-5833' | 2 JSPF | 6 holes  |
| 6-26-98 | 5842'-5848' | 2 JSPF | 12 holes |
| 6-26-98 | 5862'-5868' | 2 JSPF | 12 holes |
| 6-26-98 | 5902'-5907' | 2 JSPF | 12 holes |
| 6-28-98 | 5506'-5520' | 2 JSPF | 28 holes |
| 6-28-98 | 5524'-5527' | 2 JSPF | 12 holes |
| 6-28-98 | 5571'-5578' | 2 JSPF | 14 holes |
| 6-28-98 | 5627'-5644' | 2 JSPF | 34 holes |
| 7-1-98  | 5388'-5409' | 2 JSPF | 42 holes |
| 7-1-98  | 5415'-5427' | 2 JSPF | 24 holes |
| 7-2-98  | 5208'-5217' | 2 JSPF | 18 holes |
| 7-2-98  | 5220'-5226' | 2 JSPF | 12 holes |
| 7-2-98  | 5229'-5232' | 2 JSPF | 6 holes  |
| 7-2-98  | 5240'-5244' | 2 JSPF | 8 holes  |

SN @ 5749'  
EOT @ 5843'  
PBTD @ 5938'  
TD @ 6000'



Inland Resources Inc.

Odekirk Spring #2-36-8-17

781' FNL 2062' FEL

NWNE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33079; Lease #ML-44305

## Odekirk Spring #7-36-8-17

Spud Date: 6-15-98  
Put on Production: 7-23-98  
GL: 4999.8' KB: 10'

Initial Production: 97 BOPD,  
46 MCFPD, 8 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (314')  
DEPTH LANDED: 324' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Class G cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (6109')  
DEPTH LANDED: 6118'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 235 sx Premium & 335 sx Class G  
CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 191 jts.  
TUBING ANCHOR: 5886'  
SEATING NIPPLE: 2-7/8" (1.10")  
TOTAL STRING LENGTH: EOT @ 6027'  
SN LANDED AT: 5931'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-11/2" wt rods, 4-3/4" scraped, 133-3/4" plain rods, 95-3/4" scraped, 1-4", 1-2"x3/4" pony  
PUMP SIZE: 2-1/2 x 1-1/2 x 15 RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 6 SPM  
LOGS: DIGL/SP/GR/CAL 6124'-322'  
CN/CD/GR 6104'-3000'

FRAC JOB

7-9-98 5980'-6089' **Frac Lo CP sands as follows:**  
134,012# 20/40 sand in 659 bbls Viking  
frac fluid. Perfs broke down @ 2745 psi.  
Treated @ avg press of 1880 psi w/avg  
rate of 33.6 bpm. ISIP: 2160 psi, 5-min  
2046 psi. Flowback on 12/64" choke for  
4 hours and died.

7-11-98 5466'-5656' **Frac LDC sand as follows:**  
162,370# of 20/40 sand in 755 bbls Viking  
Frac fluid. Perfs broke down @ 2870 psi.  
Treated @ avg press of 1600 psi w/avg  
rate of 40.8 bpm. ISIP: 1660 psi, 5-min  
1541 psi. Flowback on 12/64" choke for 6  
hours and died.

7-14-98 5254'-5345' **Frac A sand as follows:**  
117,436# 20/40 sand in 577 bbls Viking.  
Perfs broke @ 2308 psi. Treated w/avg press  
of 1700 psi w/avg rate of 30.1 BPM. ISIP-  
2300 psi, 5 min 2025 psi. Flowback on  
12/64" ck for 4 hrs & died.

7-16-98 5024'-5133' **Frac C/B sand as follows:**  
97,340# 20/40 sand in 502 bbls Viking. Perfs  
broke @ 3688 psi. Treated w/avg press of  
1600 psi w/avg rate of 28 BPM. ISIP-2150  
psi, 5 min 2029 psi. Flowback on 12/64" ck  
for 3 hrs & died.

7-18-98 4785'-4954' **Frac D/YDC sands as follows:**  
121,613# 20/40 sand in 628 bbls Viking.  
Perfs broke @ 2532 psi. Treated w/avg press  
of 1700 psi w/avg rate of 36 BPM. ISIP-1950  
psi, 5 min 1838. Flowback on 12/64" ck for 4  
hrs & died.

PERFORATION RECORD

|         |             |        |           |
|---------|-------------|--------|-----------|
| 7-9-98  | 5980'-5983' | 4 JSPF | 12 holes  |
| 7-9-98  | 5998'-6001' | 4 JSPF | 12 holes  |
| 7-9-98  | 6043'-6046' | 4 JSPF | 12 holes  |
| 7-9-98  | 6064'-6089' | 4 JSPF | 100 holes |
| 7-10-98 | 5466'-5470' | 2 JSPF | 8 holes   |
| 7-10-98 | 5479'-5481' | 2 JSPF | 4 holes   |
| 7-10-98 | 5496'-5511' | 2 JSPF | 30 holes  |
| 7-10-98 | 5548'-5552' | 2 JSPF | 8 holes   |
| 7-10-98 | 5568'-5571' | 2 JSPF | 6 holes   |
| 7-10-98 | 5580'-5589' | 2 JSPF | 38 holes  |
| 7-10-98 | 5632'-5638' | 2 JSPF | 12 holes  |
| 7-10-98 | 5641'-5643' | 2 JSPF | 4 holes   |
| 7-10-98 | 5646'-5649' | 2 JSPF | 6 holes   |
| 7-10-98 | 5652'-5656' | 2 JSPF | 8 holes   |
| 7-12-98 | 5254'-5259' | 4 JSPF | 20 holes  |
| 7-12-98 | 5338'-5345' | 4 JSPF | 28 holes  |
| 7-15-98 | 5024'-5026' | 4 JSPF | 8 holes   |
| 7-15-98 | 5030'-5043' | 4 JSPF | 52 holes  |
| 7-15-98 | 5130'-5133' | 4 JSPF | 12 holes  |
| 7-17-98 | 4785'-4791' | 4 JSPF | 24 holes  |
| 7-17-98 | 4908'-4912' | 4 JSPF | 16 holes  |
| 7-17-98 | 4917'-4919' | 4 JSPF | 8 holes   |
| 7-17-98 | 4921'-4923' | 4 JSPF | 8 holes   |
| 7-17-98 | 4932'-4934' | 4 JSPF | 8 holes   |
| 7-17-98 | 4945'-4948' | 4 JSPF | 12 holes  |
| 7-17-98 | 4952'-4954' | 4 JSPF | 8 holes   |

4785'-91'  
4908'-12'  
4917'-19'  
4921'-23  
4932'-34'  
4945'-48'  
4952'-54'  
5024'-26'  
5030'-43'  
5130'-33'  
5254'-59'  
5338'-45'  
5466'-70'  
5479'-81'  
5496'-5511'  
5548'-52'  
5568'-71'  
5580'-89'  
5632'-38'  
5641'-43'  
5646'-49'  
5652'-56'  
Anchor @ 5886'  
5980'-83'  
5998'-6001'  
6043'-46'  
6064'-89'

SN @ 5931'  
EOT @ 6027'  
PBTD @ 6109'  
TD @ 6120'



Inland Resources Inc.

Odekirk Spring #7-36-8-17

1980 FNL 1980 FEL

SWNE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33078, Lease #ML-44305

## Odekirk Spring #8-36-8-17

Spud Date: 7-30-00  
Put on Production: 9-12-00  
GL: 4990' KB: 5000'

Initial Production: 202 BOPD,  
51 MCFPD, 24 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (291.35')  
DEPTH LANDED: 303' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 141 sxs Class G cmt, w/2% CaCl2

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts. (5885.31')  
DEPTH LANDED: 5897'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 425 sx PremLite & 400 sx 50/50 Pozmix.  
CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8", J-55, 6.5# tubing  
NO. OF JOINTS: 179 jts.  
TUBING ANCHOR: 5725' KB  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: 5784.4' GL  
SN LANDED AT: 5793' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4 1-1/2" wt rods, 10 3/4" scraped, 113 3/4" plain rods, 103 3/4" scraped, 2-8", 1-6" and 1-2"x3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC pump  
STROKE LENGTH: 52"  
PUMP SPEED, SPM: 7.5 SPM  
LOGS: DIGL/SP/GR/CAL TD (5913') to surface casing  
CDL/CNL/GR TD (5913')-3000'

FRAC JOB

8-31-00 5769'-836' Frac CP sands w/93,500# 20/40 sand in 525 bbls Viking I-25 fluid. Perfs broke down @ 4420 psi. Treated @ avg press of 1868 psi w/avg rate of 31.8 bpm. ISIP 2000 psi, 5-min 1950 psi. Left pressure on well.

8-31-00 5593'-623' Frac D/C sand w/85,500# of 20/40 sand in 515 bbls Viking I-25 fluid. Perfs broke down @ 3271 psi. Treated @ avg press of 1900 psi w/avg rate of 30.6 bpm. ISIP 2210 psi, 5-min 2044 psi. Flowback on 12/64; choke for 4 hours and died.

9-01-00 5342'-479' Frac LODC2/A3 sds w/103,611# 20/40 sand in 621 bbls Viking I-25 fluid. Perfs broke down @ 2560 psi. Treated @ avg press of 2000 psi w/avg rate of 32 BPM. ISIP 2310 psi; 5 min. 2242 psi. Left pressure on well.

9-05-00 5145'-229' Frac B-1 sands w/101,500# 20/40 sand in 625 bbls Viking I-25 fluid. Perfs broke @ 815 psi. Treated @ avg press of 1000 psi w/avg rate of 31.5 BPM. ISIP 1520 psi; 5 min 1420 psi. Flow back on 12/64 choke for 2-1/2 hrs; died.

9-07-00 4944'-5092' Frac D/C sands w/95,080# 20/40 sand in 574 bbls Viking I-25 fluid. Perfs broke @ 2540 psi. Treated w/avg press 1700 psi w/avg rate of 30 BPM. ISIP 1900 psi; 5 min 1840 psi. Flowback on 12/64 choke for 2-1/2 hrs; died.

PERFORATION RECORD

|         |             |        |          |
|---------|-------------|--------|----------|
| 8-31-00 | 5769'-5777' | 4 JSPF | 32 holes |
| 8-31-00 | 5794'-5799' | 4 JSPF | 20 holes |
| 8-31-00 | 5830'-5836' | 4 JSPF | 24 holes |
| 8-31-00 | 5593'-5612' | 4 JSPF | 76 holes |
| 8-31-00 | 5615'-5623' | 4 JSPF | 32 holes |
| 9-01-00 | 5342'-5344' | 4 JSPF | 8 holes  |
| 9-01-00 | 5378'-5380' | 4 JSPF | 8 holes  |
| 9-01-00 | 5429'-5431' | 4 JSPF | 8 holes  |
| 9-01-00 | 5438'-5440' | 4 JSPF | 8 holes  |
| 9-01-00 | 5442'-5444' | 4 JSPF | 8 holes  |
| 9-01-00 | 5450'-5452' | 4 JSPF | 8 holes  |
| 9-01-00 | 5470'-5479' | 4 JSPF | 36 holes |
| 9-05-00 | 5145'-5152' | 4 JSPF | 28 holes |
| 9-05-00 | 5164'-5176' | 4 JSPF | 48 holes |
| 9-05-00 | 5224'-5229' | 4 JSPF | 20 holes |
| 9-06-00 | 4944'-4948' | 4 JSPF | 16 holes |
| 9-06-00 | 4999'-5001' | 4 JSPF | 8 holes  |
| 9-06-00 | 5010'-5012' | 4 JSPF | 8 holes  |
| 9-06-00 | 5017'-5019' | 4 JSPF | 8 holes  |
| 9-06-00 | 5046'-5050' | 4 JSPF | 16 holes |
| 9-06-00 | 5053'-5055' | 4 JSPF | 8 holes  |
| 9-06-00 | 5089'-5092' | 4 JSPF | 12 holes |

SN @ 5793' KB  
EOT @ 5827' KB  
PBTD @ 5878' KB  
TD @ 5913' KB



Inland Resources Inc.

Odekirk Spring #8-36-8-17

2044' FNL, 598' FEL

SENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33196; Lease #ML-44305

## ATTACHMENT E

### NAME AND DEPTH OF USDWs

**For Class II wells, submit geologic name and depth to bottom of all underground sources of drinking water, which may be affected by the injection.**

Due to the location and depth of the well, it will not affect any source of drinking water. See Attachments E-1 through E-4, showing pertinent water analyses.

Attachment E-1 Water analysis of the primary fluid to be injected (Unichem Water Analysis of the Johnson Water District, taken January 27, 2000)

Attachment E-2 Water Analysis of the secondary fluid to be injected (Unichem Water Analysis of produced water commingled with Johnson Water, taken August 25, 1999 at the Monument Butte Injection Facility)

Attachment E-3 Analysis of the formation water taken from the Odekirk Spring #1-36-8-17

Attachment E-4 Analysis of the compatibility of the injected and formation water



# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5066  
Fax (435) 722-5727

Attachment E-1

## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

Source JOHNSON Date Sampled 1-26-00 Analysis No. \_\_\_\_\_

|   | Analysis         | mg/l(ppm)  | *Meq/l                         |
|---|------------------|------------|--------------------------------|
| 1. PH                                   | <u>7.4</u>       |            |                                |
| 2. H <sub>2</sub> S (Qualitative)       | <u>0.5</u>       |            |                                |
| 3. Specific Gravity                     | <u>1.001</u>     |            |                                |
| 4. Dissolved Solids                     |                  | <u>600</u> |                                |
| 5. Alkalinity (CaCO <sub>3</sub> )      | CO <sub>3</sub>  | <u>0</u>   | + 30 <u>0</u> CO <sub>3</sub>  |
| 6. Bicarbonate (HCO <sub>3</sub> )      | HCO <sub>3</sub> | <u>240</u> | + 61 <u>4</u> HCO <sub>3</sub> |
| 7. Hydroxyl (OH)                        | OH               | <u>0</u>   | + 17 <u>0</u> OH               |
| 8. Chlorides (Cl)                       | Cl               | <u>71</u>  | + 35.5 <u>2</u> Cl             |
| 9. Sulfates (SO <sub>4</sub> )          | SO <sub>4</sub>  | <u>130</u> | + 48 <u>3</u> SO <sub>4</sub>  |
| 10. Calcium (Ca)                        | Ca               | <u>72</u>  | + 20 <u>4</u> Ca               |
| 11. Magnesium (Mg)                      | Mg               | <u>41</u>  | + 12.2 <u>3</u> Mg             |
| 12. Total Hardness (CaCO <sub>3</sub> ) |                  | <u>350</u> |                                |
| 13. Total Iron (Fe)                     |                  | <u>0.6</u> |                                |
| 14. Manganese                           |                  |            |                                |
| 15. Phosphate Residuals                 |                  |            |                                |

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

|          |    |   |                  |          |
|----------|----|---|------------------|----------|
| <u>4</u> | Ca | ← | HCO <sub>3</sub> | <u>4</u> |
| <u>3</u> | Mg | → | SO <sub>4</sub>  | <u>3</u> |
| <u>2</u> | Na | → | Cl               | <u>2</u> |

#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

| Compound                           | Eqvly. Wt. | X        | Meq/l | = | Mg/l       |
|------------------------------------|------------|----------|-------|---|------------|
| Ca(HCO <sub>3</sub> ) <sub>2</sub> | 11.04      | <u>4</u> |       |   | <u>324</u> |
| CaSO <sub>4</sub>                  | 68.07      |          |       |   |            |
| CaCl <sub>2</sub>                  | 55.50      |          |       |   |            |
| Mg(HCO <sub>3</sub> ) <sub>2</sub> | 73.17      |          |       |   |            |
| MgSO <sub>4</sub>                  | 60.19      | <u>3</u> |       |   | <u>181</u> |
| MgCl <sub>2</sub>                  | 47.62      |          |       |   |            |
| NaHCO <sub>3</sub>                 | 84.00      |          |       |   |            |
| Na <sub>2</sub> SO <sub>4</sub>    | 71.03      |          |       |   |            |
| NaCl                               | 58.48      | <u>2</u> |       |   | <u>117</u> |

REMARKS \_\_\_\_\_

## WATER ANALYSIS REPORT

Company INLAND PRODUCTION

Address \_\_\_\_\_

Date 8-25-99

Source MBIF

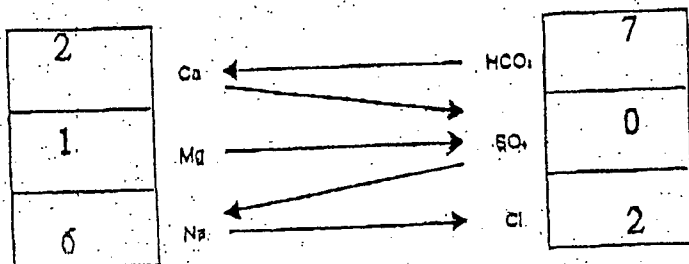
Date Sampled 8-25-99

Analysis No. \_\_\_\_\_

|   | Analysis | mg/l(ppm)            | *Mag/l                  |
|---|----------|----------------------|-------------------------|
| 1. PH                                   | 8.0      |                      |                         |
| 2. H <sub>2</sub> S (Qualitative)       | 0        |                      |                         |
| 3. Specific Gravity                     | 1.001    |                      |                         |
| 4. Dissolved Solids                     |          | 688                  |                         |
| 5. Alkalinity (CaCO <sub>3</sub> )      |          | CO <sub>3</sub> 0    | + 30 0 CO <sub>3</sub>  |
| 6. Bicarbonate (HCO <sub>3</sub> )      |          | HCO <sub>3</sub> 430 | + 61 7 HCO <sub>3</sub> |
| 7. Hydroxyl (OH)                        |          | OH 0                 | + 17 0 OH               |
| 8. Chlorides (Cl)                       |          | Cl 71                | + 35.5 2 Cl             |
| 9. Sulfates (SO <sub>4</sub> )          |          | SO <sub>4</sub> 0    | + 48 0 SO <sub>4</sub>  |
| 10. Calcium (Ca)                        |          | Ca 40                | + 20 2 Ca               |
| 11. Magnesium (Mg)                      |          | Mg 12                | + 12.2 1 Mg             |
| 12. Total Hardness (CaCO <sub>3</sub> ) |          | 150                  |                         |
| 13. Total Iron (Fe)                     |          | 13                   |                         |
| 14. Manganese                           |          | 0                    |                         |
| 15. Phosphate Residuals                 |          |                      |                         |

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

| Compound                           | Eq. Wt. | X | Mag/l | = | Mag/l |
|------------------------------------|---------|---|-------|---|-------|
| Ca(HCO <sub>3</sub> ) <sub>2</sub> | 81.04   | 2 |       |   | 162   |
| CaSO <sub>4</sub>                  | 68.07   |   |       |   |       |
| CaCl <sub>2</sub>                  | 55.50   | 1 |       |   | 73    |
| Mg(HCO <sub>3</sub> ) <sub>2</sub> | 73.17   |   |       |   |       |
| MgSO <sub>4</sub>                  | 60.19   |   |       |   |       |
| MgCl <sub>2</sub>                  | 47.62   | 4 |       |   | 336   |
| NaHCO <sub>3</sub>                 | 84.00   |   |       |   |       |
| Na <sub>2</sub> SO <sub>4</sub>    | 71.03   |   |       |   |       |
| NaCl                               | 58.48   | 2 |       |   | 117   |

REMARKS \_\_\_\_\_

**UNICHEM**

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066Office (435) 722-5066  
Fax (435) 722-5727

Attachment E-3

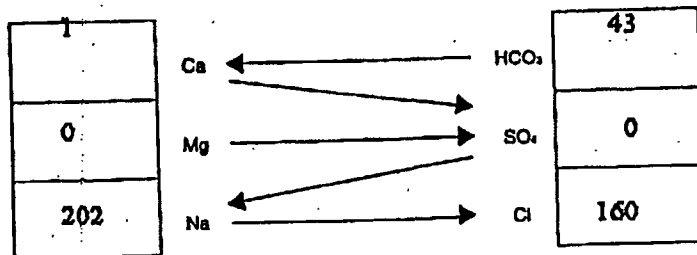
**WATER ANALYSIS REPORT**Company Inland Address \_\_\_\_\_ Date \_\_\_\_\_Source Odekirk 1-36-B-17 Date Sampled 12/8/00 Analysis No. \_\_\_\_\_

|   | Analysis     | mg/l(ppm)     | *Meg/l                     |
|---|--------------|---------------|----------------------------|
| 1. PH                                   | <u>9.7</u>   |               |                            |
| 2. H <sub>2</sub> S (Qualitative)       | <u>1.5</u>   |               |                            |
| 3. Specific Gravity                     | <u>1.012</u> |               |                            |
| 4. Dissolved Solids                     |              | <u>12,707</u> |                            |
| 5. Alkalinity (CaCO <sub>3</sub> )      |              | <u>420</u>    | <u>14</u> CO <sub>3</sub>  |
| 6. Bicarbonate (HCO <sub>3</sub> )      |              | <u>1,769</u>  | <u>61</u> HCO <sub>3</sub> |
| 7. Hydroxyl (OH)                        |              | <u>0</u>      | <u>17</u> OH               |
| 8. Chlorides (Cl)                       |              | <u>5,660</u>  | <u>35.5</u> Cl             |
| 9. Sulfates (SO <sub>4</sub> )          |              | <u>0</u>      | <u>48</u> SO <sub>4</sub>  |
| 10. Calcium (Ca)                        |              | <u>12</u>     | <u>20</u> Ca               |
| 11. Magnesium (Mg)                      |              | <u>0</u>      | <u>12.2</u> Mg             |
| 12. Total Hardness (CaCO <sub>3</sub> ) |              | <u>30</u>     |                            |
| 13. Total Iron (Fe)                     |              | <u>.6</u>     |                            |
| 14. Manganese                           |              | <u>0.0</u>    |                            |
| 15. Phosphate Residuals                 |              |               |                            |

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**

| Compound                           | Eqvly. Wt. | X          | Meg/l | = | Mg/l         |
|------------------------------------|------------|------------|-------|---|--------------|
| Ca(HCO <sub>3</sub> ) <sub>2</sub> | 81.04      | <u>1</u>   |       |   | <u>81</u>    |
| CaSO <sub>4</sub>                  | 68.07      |            |       |   |              |
| CaCl <sub>2</sub>                  | 55.50      |            |       |   |              |
| Mg(HCO <sub>3</sub> ) <sub>2</sub> | 73.17      |            |       |   |              |
| MgSO <sub>4</sub>                  | 60.19      |            |       |   |              |
| MgCl <sub>2</sub>                  | 47.62      |            |       |   |              |
| NaHCO <sub>3</sub>                 | 84.00      | <u>42</u>  |       |   | <u>3,521</u> |
| Na <sub>2</sub> SO <sub>4</sub>    | 71.03      |            |       |   |              |
| NaCl                               | 58.46      | <u>160</u> |       |   | <u>9,354</u> |

**Saturation Values****Distilled Water 20°C**CaCO<sub>3</sub>

13 Mg/l

CaSO<sub>4</sub> · 2H<sub>2</sub>O

2,090 Mg/l

MgCO<sub>3</sub>

103 Mg/l

**Complete & Johnson Water Compat.**

REMARKS \_\_\_\_\_

Attachment E-4

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO  
 LOCATION:  
 SYSTEM:

12-11-2000

| WATER DESCRIPTION:                 | JOHNSON WATER | ODEKIRK 1-36-8-17 |
|------------------------------------|---------------|-------------------|
| P-ALK AS PPM CaCO <sub>3</sub>     | 0             | 701               |
| M-ALK AS PPM CaCO <sub>3</sub>     | 393           | 2901              |
| SULFATE AS PPM SO <sub>4</sub>     | 130           | 0                 |
| CHLORIDE AS PPM Cl                 | 71            | 5660              |
| HARDNESS AS PPM CaCO <sub>3</sub>  | 0             | 0                 |
| CALCIUM AS PPM CaCO <sub>3</sub>   | 180           | 30                |
| MAGNESIUM AS PPM CaCO <sub>3</sub> | 169           | 0                 |
| SODIUM AS PPM Na                   | 46            | 4646              |
| BARIUM AS PPM Ba                   | 0             | 0                 |
| STRONTIUM AS PPM Sr                | 0             | 0                 |
| CONDUCTIVITY                       | 0             | 0                 |
| TOTAL DISSOLVED SOLIDS             | 600           | 12707             |
| TEMP (DEG-F)                       | 100           | 100               |
| SYSTEM pH                          | 7.4           | 9.7               |

## WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND ODEKIRK 1-36-8-17

CONDITIONS: pH=8.6. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

| % Water 1 | STIFF DAVIS<br>CaCO <sub>3</sub> INDEX | lbs/1000<br>BBL<br>EXCESS<br>CaCO <sub>3</sub> | mg/l BaSO <sub>4</sub><br>IN EXCESS<br>OF<br>SATURATION | mg/l SrO <sub>4</sub><br>IN EXCESS<br>OF<br>SATURATION | mg/l Gypsum<br>IN EXCESS<br>OF<br>SATURATION |
|-----------|--|--|---|--|--|
| 100       | 1.53                                   | 59   | 0   | 0  | 0  |
| 90        | 1.64                                   | 56   | 0   | 0  | 0  |
| 80        | 1.69                                   | 51   | 0   | 0  | 0  |
| 70        | 1.69                                   | 46   | 0   | 0  | 0  |
| 60        | 1.67                                   | 41   | 0   | 0  | 0  |
| 50        | 1.62                                   | 35   | 0   | 0  | 0  |
| 40        | 1.56                                   | 30   | 0   | 0  | 0  |
| 30        | 1.47                                   | 25   | 0   | 0  | 0  |
| 20        | 1.36                                   | 20   | 0   | 0  | 0  |
| 10        | 1.22                                   | 14   | 0   | 0  | 0  |
| 0         | 1.03                                   | 9  | 0   | 0  | 0  |

## ATTACHMENT G

### GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES

**For Class II wells, submit appropriate geological data on the injection zone and confining zones, including lithologic description, geological name, thickness, and depth and fracture pressure.**

The proposed injection well produced from and will inject into the Green River formation. Water is sourced from the Johnson Water District and injected or is commingled with produced water at the Monument Butte Injection Facility and processed for individual well injection.

The injection zones are in the Green River formation, bounded by the Garden Gulch marker and the Basal Carbonate Marker. The Green River is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. At the Odekirk Spring State #1-36-8-17 location, the proposed injection zone is from 5228'-5887'. The porous and permeable lenticular sandstones vary in thickness from 0' - 31' and are confined to the Monument Butte area by low porosity calcareous shales and carbonates.

The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate, in the Odekirk Spring State #1-36-8-17 well. The strata confining the injection zone are composed of tight, moderately calcareous, sandy lucustrine shales. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

The fracture pressure of the Odekirk Spring State #1-36-8-17 will be determined upon testing. The minimum fracture gradient calculates at 0.654 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be conducted upon injection and periodically thereafter to determine the actual fracture pressure. As the fracture pressure increases, we may elect to increase the injection pressure, but will not exceed the maximum of 1145 psig.

#### Communication Prevention:

The injection system will be equipped with high and low pressure shut down devices, which will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

Attachment G-1 Formation Tops

Attachment G-2 Proposed Maximum Injection Pressure

Attachment G-3 Fracture Reports Dated 8-11-00; 8-14-00 and 8-16-00

Attachment G-4 Drilling and Completion Reports Dated 7-13-00 to 7-22-00 and 8-10-00 to 8-19-00

**ATTACHMENT G-1**

**FORMATION TOPS**

**ODEKIRK SPRING STATE #1-36-8-17**

| <b><u>FORMATION</u></b>      | <b><u>DEPTH (ft)</u></b> |
|------------------------------|--------------------------|
| <b>Garden Gulch Marker'</b>  | <b>4006'</b>             |
| <b>Garden Gulch 2</b>        | <b>4294'</b>             |
| <b>Point Three Marker</b>    | <b>4558'</b>             |
| <b>X Marker</b>              | <b>4774'</b>             |
| <b>Y-Marker</b>              | <b>4810'</b>             |
| <b>Douglas Creek</b>         | <b>4938'</b>             |
| <b>Bicarbonate Marker</b>    | <b>5168'</b>             |
| <b>B-Limestone</b>           | <b>5298'</b>             |
| <b>Castle Peak Limestone</b> | <b>5800'</b>             |
| <b>Total Depth</b>           | <b>6169'</b>             |

Attachment G-2

**Odekirk Spring State #1-36-8-17**  
**Proposed Maximum Injection Pressure**

| Frac Interval<br>(feet) |        | Avg. Depth<br>(feet) | ISIP<br>(psi) | Calculated<br>Frac<br>Gradient<br>(psi/ft) | Pmax |
|-------------------------|--------|----------------------|---------------|--|------|
| Top                     | Bottom |                      |               |  |      |
| 5815                    | 5816   | 5816                 | 2900          | 0.932                                      | 2887 |
| 5876                    | 5887   | 5882                 | 2900          | 0.926                                      | 2885 |
| 5580                    | 5590   | 5585                 | 2408          | 0.864                                      | 2394 |
| 5592                    | 5603   | 5598                 | 2408          | 0.863                                      | 2394 |
| 5611                    | 5622   | 5617                 | 2408          | 0.862                                      | 2393 |
| 5228                    | 5260   | 5244                 | 1160          | 0.654                                      | 1145 |
|                         |        |                      |               | Minimum                                    | 1145 |

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$



Attachment G-3

**SUMMARY WORKOVER REPORT****ODEKIRK SPRING 1-36-8-17**

NE/NE Section 36 - T8S - R17E  
Uintah Co., UT  
API # 43-047-3195

Spud Dat 7/14/00  
TD 6169'  
Completion or Workover Rig KES #965

**Report Date 8/11/00 Day 1****Frac & flowback CP sands****Date Work Performed 8/10/00**

MIRU KES #965. Install 5M frac head. NU 5 M BOP. Press test csg, blind rams, csg valves & frac head seal to 3000 psi. Tally, drift, PU & TIH w/ 3-7/8" bit, 4-1/2" csg scraper & 190 jts 2-3/8" 8 rd 4.7# J-55 tbg. Tag PBTB @ 6124'. TOH w/ tbg. LD bit & scraper. RU Schlumberger & perf CP sds @ 5815'-16' & 5876'-87' w/ 4 JSPF. RD WLT. TIH w/ 4-1/2" HD pkr & tbg. Set pkr @ 5845'. Breakdown perfs 5876'-87' (dn tbg) @ 3300 psi. Establish inj rate of 2.1 BPM @ 2000 psi. Breakdown perfs 5814'-16' (dn csg) @ 3500 psi. Establish inj rate of 2.1 BPM @ 2800 psi. Used BW. Release pkr. rU swab equip. IFL @ sfc. Swab FL dn to 4900' SIFN

Daily Cost 168,661 Cumulative Cost 168,661

**Report Date 8/12/00 Day 2****Swabbing****Date Work Performed 8/11/00**

Con't swabbing CP sds after breakdown. IFL @ 4700'. Made 4 swab runs rec 13 BTF. FFL @ 5700'. TOH w/ tbg. LD pkr. RU BJ Services & frac CP sds w/ 78,560# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs broke back @ 3950 psi @ 4 BPM. Treated @ avg press of 3400 psi w/ avg rate of 30 BPM. ISIP: 2900 psi, 5 min: 2300 psi. RD BJ Flowback frac on 12/64" choke for 3 hrs & died. Rec 121 BTF (est 25% of frac load). SIFN w/ est 359 BWTR (including 4 bbls ahead of frac)

**STIMULATION DETAIL: CP SANDS**

3000 gals of pad

1000 gals w/ 1-5 ppg of 20/40 sand

9000 gals w/ 5-8 ppg of 20/40 sand

3314 gals w/ 8 ppg of 20/40 sand

Flush w/ 3696 gals of slick water

Max TP: 3711, Avg TP: 3400

Max Rate: 32 BPM, Avg Rate: 30 BPM

Total fluid pmpd: 476 bbls, Total Prop pmpd: 78,560#

ISIP: 2900 5 min: 2300

Daily Cost \$24,523 Cumulative Cost 193,184

**Report Date 8/13/00 Day 3****Frac/flowback LDC Sds****Date Work Performed 8/12/00**

TIH W/ 4-1/2" TS RBP & tbg. Tbg displaced 10 bbls on TIH. Set Plug @ 5700'. Press test plug to 3000 spi. Swab FL dn to 5100'. Rec 71 BTF. TOH w/ tbg & RH. RU Schlumberger & perf LDC sds @ 5580-90', 5592-5603', & 5611-22' W/ 4 JSPF. RD WLT. TIH w/ NC & tbg to 5655'. RU Swab equip. IFL @ 5100'. Made 4 swab runs rec 7 BTF. FFL @ 5800'. SIFN w/ est 271 BWTR.

Daily Cost \$6,147 Cumulative Cost 199,331

**Report Date 8/15/00 Day 4****Clean out sand, move RBP**



**SUMMARY WORKOVER REPORT****Date Work Performed 8/14/00**

Swab fluid. IFL @ 5600'. No entry previous 36 hours. ToH w/ tbg string. RU BJ Frac Service and frac LDC sands w/ 100,781# 20/40 sand in 558 bbls Viking I-25 fluid. Break down @ 2177 psi. 5 MIN @ 2295 PSI. Ave rate: 34.7 bpm. .863 F.G. Total fluid pmpd: 558 bbls. RDBJ start well flowing back at 1 bpm. 186 bbls flowed back in 4 hrs. (33% of frac rec on flowback) SWIFN, w/ 643 bbls to rec.

**STIMULATION DETAIL: LDC sands**

4000 gals of pad

1000 gals w/ 1-5 ppg of 20/40 sand

11,000 gals w/ 5-8 ppg of 20/40 sand

3000 gals w/ 8 ppg of 20/40 sand

Flush w/ 3612 gals of slick water

Max TP: 2550, Avg TP: 2400, Max Rate: 35.5, Avg Rate: 34.7

Total fluid pmpd: 558 bbls, Total Prop pmpd: 100,781#

ISIP: 2408, 5 MIN: 2295

---

Daily Cost \$27,873 Cumulative Cost 227,204**Report Date 8/16/00 Day 5****Fish parts f/ perf gun****Date Work Performed 8/15/00**

TIH w/ RH & tbg. Tbg displaced 9 BW on TIH. Tag sd @ 5622'. Rev circ out sd to RBP @ 5700'. Circ hole clean. Release plg. Pull up & re-set RBP @ 5327'. Press test plg to 3000 psi. Swab FL dn to 4700'. Rec 65 BW. TOH w/ tbg & RH. RU Schlumberger and perf B sds @ 5228-60' w/ 4 JSPF. Made 2 gun runs. Second gun lost bullnose & btm nut f/ end of gun. RD WLT. SIFN & WO fishing tools. Est 569 BWTR.

---

Daily Cost \$5,425 Cumulative Cost 232,629**Report Date 8/17/00 Day 6****Pull plug/C/O PBTD/swab****Date Work Performed 8/16/00**

Bled gas off well. MU & RIH w/ 3-1/2" magnet on sandline. POOH w/ sandline - LD fished bullnose & btm nut f/ 3-1/8" perf gun. RU BJ Services and frac B sds w/ 94,994# 20/40 sand in 575 bbls Viking I-25 fluid. Perfs broke dn @ 1750 psi.

Treated @ avg press of 1420 psi w/ avg rate of 31.5 BPM. ISIP: 1160 psi, 5MIN: 1120 psi. RD BJ. Flowback frac on 12/64" choke for 1 hr & died. Rec 42 BTF (est 7% of frac load). SIFN w/ est 1102 BWTR.

**STIMULATION DETAIL: B Sands**

3000 gals of pad

1000 gals w/ 1-2 ppg of 20/40 sand

11,000 gals w/ 2-8 ppg of 20/40 sand

5850 gals w/ 8 ppg of 20/40 sand

Flush w/ 3318 gals of slick water

Max TP: 1842, Avg TP: 1420, Max Rate: 31.7 BPM, Avg Rate: 31.5 BPM

Total fluid pmpd: 575 bbls, Total Prop pmpd: 94,994#

ISIP: 1160, 5 MIN: 1120

---

Daily Cost \$31,632 Cumulative Cost 264,261**Report Date 8/18/00 Day 7****Swabbing**



Attachment G-4

## DAILY DRILLING REPORT

ODEKIRK SPRING 1-36-8-17

Section 36 - T8S - R17E

#Error

API # 36--8S-17E-1

Spud Dat

TD

Drlg Rig UNION #14

|             |         |                 |   |        |     |         |      |
|-------------|---------|-----------------|---|--------|-----|---------|------|
| Report Date | 7/15/00 | Days Since Spud | 1 | Depth: | 321 | Footage | 321' |
|-------------|---------|-----------------|---|--------|-----|---------|------|

| Time | Operation   |
|------|---|
| 0.00 | HRS MIRU UNION #14 and set equipment 07/13/00 p.m.  |
| 1.00 | HRS Drill MH & RH. SPUD WELL @ 7:30 a.m. 07/14/00   |
| 1.50 | HRS Drill 23' of 17-1/2" hole. Set conductor pipe   |
| 0.50 | HRS Drill 12-1/4" hole  |
| 1.50 | HRS NU air bowl & flowline  |
| 7.50 | HRS Drill 12-1/4" hole to 321'. Blow hole clean   |
| 1.00 | HRS TOH. LD hammer. ND cellar   |
| 1.00 | HRS PU & RIH w/ 8-5/8" guide shoe, 7 jts 8-5/8" 24# J-55 ST & C csg. Landed @ 305' KB               |
| 0.00 | HRS cmt w/ 2% CaCl <sub>2</sub> + 1/4#/sx CF mixed @ 15.8 ppg w/ 1.17 cf/sx yield. Had good returns |
| 0.00 | HRS throughout job w/ est 2 bbls cmt to sfc. PLUG DOWN @ 8:30 p.m. 07/14/00                         |
| 0.00 | HRS Cmt fell - top off w/ 20 sx Class G & holding level   |
| 4.00 | HRS WOC   |
| 3.50 | HRS Break out landing jt. NU BOP & choke lines  |
| 2.00 | HRS Test BOP, kelly, kelly cock, choke to 2000 psi. Test sfc csg to 1500 psi                        |

Daily Cost \$18,116 Cumulative Cost \$18,116

|             |         |                 |   |        |      |         |       |
|-------------|---------|-----------------|---|--------|------|---------|-------|
| Report Date | 7/16/00 | Days Since Spud | 2 | Depth: | 1480 | Footage | 1159' |
|-------------|---------|-----------------|---|--------|------|---------|-------|

| Time | Operation  |
|------|--|
| 1.00 | HRS Finish testing BOPs & surface equipment      |
| 0.75 | HRS TIH w/ bit #3                                |
| 1.75 | HRS Drill cement & shoe                          |
| 3.50 | HRS Drill 7-7/8" hole w/ air to a depth of 555'  |
| 0.50 | HRS Rig service & survey                         |
| 1.25 | HRS Drill 7-7/8" hole w/ air to a depth of 643'  |
| 0.50 | HRS Change over to drill pipe                    |
| 2.25 | HRS Drill 7-7/8" hole w/ air to a depth of 768'  |
| 0.50 | HRS Install Air head rubber                      |
| 4.00 | HRS Drill 7-7/8" hole w/ air to a depth of 995'  |
| 0.25 | HRS Rig service & survey                         |
| 7.75 | HRS Dro;; 7-7/8" hole w/ air to a depth of 1480' |

Daily Cost \$13,630 Cumulative Cost \$31,746

|             |         |                 |   |        |      |         |       |
|-------------|---------|-----------------|---|--------|------|---------|-------|
| Report Date | 7/17/00 | Days Since Spud | 3 | Depth: | 2850 | Footage | 1370' |
|-------------|---------|-----------------|---|--------|------|---------|-------|



Attachment G-4

**DAILY DRILLING REPORT**

| Time |     | Operation                                |
|------|-----|--|
| 0.75 | HRS | Drill 7-7/8" hole to from 1480' to 1540' |
| 0.50 | HRS | Rig service & survey                     |
| 8.75 | HRS | Drill 7-7/8" hole from 1540' to 2066'    |
| 0.50 | HRS | Rig service & survey                     |
| 7.00 | HRS | Drill 7-7/8" hole from 2066' to 2557'    |
| 0.75 | HRS | Rig service & survey                     |
| 5.75 | HRS | Drill 7-7/8" hole from 2557' to 2850'    |

---

Daily Cost \$15,544 Cumulative Cost \$47,290

Report Date 7/18/00 Days Since Spud 4 Depth: 3545 Footage 695'

| Time |     | Operation  |
|------|-----|--|
| 3.75 | HRS | Drill 7-7/8" hole f/ 2850' to 3052'  |
| 0.75 | HRS | Rig service & survey   |
| 1.75 | HRS | Drill 7-7/8" hole f/ 3052' to 3177'  |
| 1.50 | HRS | Re-ran survey @3137'   |
| 0.75 | HRS | RR - derrick board   |
| 3.50 | HRS | Drill 7-7/8" hole from 3177' to 3331'. Hit water flow @ approx. 3309'. 3/4" stream |
| 0.50 | HRS | RS. Check water flow   |
| 1.25 | HRS | Drill 7-7/8" hole f/ 3331' to 3393'. Drilling slowed to 24' / hour                 |
| 1.00 | HRS | Load hole w/ wtr   |
| 2.25 | HRS | TOH. LD Bit #3   |
| 2.50 | HRS | PU & TIH w/ Bit #4 & mud motor   |
| 1.00 | HRS | Load drill string w/ wtr & wash to btm   |
| 3.50 | HRS | Drill 7-7/8" hole f/ 3393' to 3545'  |

---

Daily Cost \$7,984 Cumulative Cost \$55,274

Report Date 7/19/00 Days Since Spud 5 Depth: 4495 Footage 950'

| Time |     | Operation                                      |
|------|-----|--|
| 2.00 | HRS | Rig service & survey                           |
| 6.25 | HRS | Drill 7-7/8" hole w/ fluid to a depth of 3878' |
| 0.25 | HRS | Rig service                                    |
| 7.50 | HRS | Drill 7-7/8" hole w/ fluid to a depth of 4204' |
| 0.50 | HRS | Rig service & survey                           |
| 7.50 | HRS | Drill 7-7/8" hole w/ fluid to a depth of 4495' |

---

Daily Cost \$19,870 Cumulative Cost \$75,144

Report Date 7/20/00 Days Since Spud 6 Depth: 5350 Footage 855'



Attachment G-4

**DAILY DRILLING REPORT**

| Time  |     | Operation                                      |
|-------|-----|--|
| 3.00  | HRS | Drill 7-7/8" hole w/ fluid to a depth of 4648' |
| 1.00  | HRS | Rig service & survey                           |
| 10.50 | HRS | Drill 7-7/8" hole w/ fluid to a depth of 5052' |
| 1.00  | HRS | Rig service & survey                           |
| 4.75  | HRS | Drill 7-7/8" hole w/ fluid to a depth of 5235' |
| 0.25  | HRS | Rig service                                    |
| 3.50  | HRS | Drill 7-7/8" hole w/ fluid to a depth of 5350' |

---

Daily Cost \$9,776 Cumulative Cost \$84,920

Report Date 7/21/00 Days Since Spud 7 Depth: 6048 Footage 698'

| Time |     | Operation                           |
|------|-----|-------------------------------------|
| 1.75 | HRS | Drill 7-7/8" hole f/ 5350' to 5420' |
| 0.50 | HRS | Rig service & survey                |
| 6.75 | HRS | Drill 7-7/8" hole f/ 5420' to 5666' |
| 0.50 | HRS | Rig service & survey (misrun)       |
| 1.75 | HRS | Drill 7-7/8" hole f/ 5666' to 5726' |
| 1.00 | HRS | Survey (misrun)                     |
| 7.50 | HRS | Drill 7-7/8" hole f/ 5726' to 5970' |
| 1.25 | HRS | Rig service                         |
| 3.00 | HRS | Drill 7-7/8" hole f/ 5970' to 6048' |

---

Daily Cost \$8,018 Cumulative Cost \$92,938

Report Date 7/22/00 Days Since Spud 8 Depth: 6170 Footage 122'

| Time |     | Operation  |
|------|-----|--|
| 3.50 | HRS | Drill 7-7/8" hole f/ 6048' to 6170'. TD WELL @ 9:30 A.M. 07/21/00.                           |
| 1.00 | HRS | C & C  |
| 5.00 | HRS | TOH & LD DP & BHA  |
| 3.75 | HRS | RU PSI loggers and run CDL, CNL, GR, CAL, DIGL & SP logs f/ TD to sfc csg. RD PSI            |
| 3.25 | HRS | PU & TIH w/ 4-1/2" float shoe & 145 jts 4-1/2" 11.6# J-55 csg (6144.95') @ 6156' KB          |
| 1.50 | HRS | C&C hole 1-1/2 x volume  |
| 1.50 | HRS | RU BJ Services & cmt as follows: 20 bbls dy wtr, 20 bbls Mud Clean II, then 350 sx Prem      |
| 0.00 | HRS | lite II w/ .5% SM, 10% gel, 3#/ sx CSE, 2#/ sx Lolseal, 3% KCL, 1/4#/ sx CF. Tail in w/      |
| 0.00 | HRS | 550 sxs 50/50/ Poz w/ 2% gel, 3% KCL, .3% SMS, 1/4# sx CF. Had good returns through          |
| 0.00 | HRS | out job w/ no dye wtr to sfc. Plug was down @ 2:07 a.m. 07/22/00. RD BJ Services.            |
| 4.00 | HRS | ND BOP stack. Set slips w/ 55,000#. Dump & clean mud pits. Release rig @ 5:30 a.m. 07/22/00. |

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Daily Cost \$50,376 Cumulative Cost 143,314



Attachment G-4

**SUMMARY WORKOVER REPORT****ODEKIRK SPRING 1-36-8-17**

NE/NE Section 36 - T8S - R17E  
Uintah Co., UT  
API # 43-047-3195

Spud Dat 7/14/00  
TD 6169'  
Completion or Workover Rig KES #965

**Report Date 8/11/00 Day 1****Frac & flowback CP sands****Date Work Performed 8/10/00**

MIRU KES #965. Install 5M frac head. NU 5 M BOP. Press test csg, blind rams, csg valves & frac head seal to 3000 psi. Tally, drift, PU & TIH w/ 3-7/8" bit, 4-1/2" csg scraper & 190 jts 2-3/8" 8 rd 4.7# J-55 tbg. Tag PBTD @ 6124'. TOH w/ tbg. LD bit & scraper. RU Schlumberger & perf CP sds @ 5815'-16' & 5876'-87' w/ 4 JSPF. RD WLT. TIH w/ 4-1/2" HD pkr & tbg. Set pkr @ 5845'. Breakdown perfs 5876'-87' (dn tbg) @ 3300 psi. Establish inj rate of 2.1 BPM @ 2000 psi. Breakdown perfs 5814'-16' (dn csg) @ 3500 psi. Establish inj rate of 2.1 BPM @ 2800 psi. Used BW. Release pkr. rU swab equip. IFL @ sfc. Swab FL dn to 4900' SIFN

Daily Cost 168,661 Cumulative Cost 168,661

**Report Date 8/12/00 Day 2****Swabbing****Date Work Performed 8/11/00**

Con't swabbing CP sds after breakdown. IFL @ 4700'. Made 4 swab runs rec 13 BTF. FFL @ 5700'. TOH w/ tbg. LD pkr. RU BJ Services & frac CP sds w/ 78,560# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs broke back @ 3950 psi @ 4 BPM. Treated @ avg press of 3400 psi w/ avg rate of 30 BPM. ISIP: 2900 psi, 5 min: 2300 psi. RD BJ Flowback frac on 12/64" choke for 3 hrs & died. Rec 121 BTF (est 25% of frac load). SIFN w/ est 359 BWTR (including 4 bbls ahead of frac)

**STIMULATION DETAIL: CP SANDS**

3000 gals of pad

1000 gals w/ 1-5 ppg of 20/40 sand

9000 gals w/ 5-8 ppg of 20/40 sand

3314 gals w/ 8 ppg of 20/40 sand

Flush w/ 3696 gals of slick water

Max TP: 3711, Avg TP: 3400

Max Rate: 32 BPM, Avg Rate: 30 BPM

Total fluid pmpd: 476 bbls, Total Prop pmpd: 78,560#

ISIP: 2900 5 min: 2300

Daily Cost \$24,523 Cumulative Cost 193,184

**Report Date 8/13/00 Day 3****Frac/flowback LDC Sds****Date Work Performed 8/12/00**

TIH W/ 4-1/2" TS RBP & tbg. Tbg displaced 10 bbls on TiH. Set Plug @ 5700'. Press test plug to 3000 spi. Swab FL dn to 5100'. Rec 71 BTF. TOH w/ tbg & RH. RU Schlumberger & perf LDC sds @ 5580-90', 5592-5603', & 5611-22' W/ 4 JSPF. RD WLT. TIH w/ NC & tbg to 5655'. RU Swab equip. IFL @ 5100'. Made 4 swab runs rec 7 BTF. FFL @ 5800'. SIFN w/ est 271 BWTR.

Daily Cost \$6,147 Cumulative Cost 199,331

**Report Date 8/15/00 Day 4****Clean out sand, move RBP**



Attachment G-4

## SUMMARY WORKOVER REPORT

Date Work Performed 8/14/00

Swab fluid. IFL @ 5600'. No entry previous 36 hours. ToH w/ tbg string. RU BJ Frac Service and frac LDC sands w/ 100,781# 20/40 sand in 558 bbls Viking I-25 fluid. Break down @ 2177 psi. 5 MIN @ 2295 PSI. Ave rate: 34.7 bpm. .863 F.G. Total fluid pmpd: 558 bbls. RDBJ start well flowing back at 1 bpm. 186 bbls flowed back in 4 hrs. (33% of frac rec on flowback) SWIFN, w/ 643 bbls to rec.

STIMULATION DETAIL: LDC sands

4000 gals of pad

1000 gals w/ 1-5 ppg of 20/40 sand

11,000 gals w/ 5-8 ppg of 20/40 sand

3000 gals w/ 8 ppg of 20/40 sand

Flush w/ 3612 gals of slick water

Max TP: 2550, Avg TP: 2400, Max Rate: 35.5, Avg Rate: 34.7

Total fluid pmpd: 558 bbls, Total Prop pmpd: 100,781#

ISIP: 2408, 5 MIN: 2295

---

Daily Cost \$27,873 Cumulative Cost 227,204

Report Date 8/16/00 Day 5

Fish parts f/ perf gun

Date Work Performed 8/15/00

TIH w/ RH & tbg. Tbg displaced 9 BW on TIH. Tag sd @ 5622'. Rev circ out sd to RBP @ 5700'. Circ hole clean. Release plg. Pull up & re-set RBP @ 5327'. Press test plg to 3000 psi. Swab FL dn to 4700'. Rec 65 BW. TOH w/ tbg & RH. RU Schlumberger and perf B sds @ 5228-60' w/ 4 JSPF. Made 2 gun runs. Second gun lost bullnose & btm nut f/ end of gun. RD WLT. SIFN & WO fishing tools. Est 569 BWTR.

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Daily Cost \$5,425 Cumulative Cost 232,629

Report Date 8/17/00 Day 6

Pull plug/C/O PBTD/swab

Date Work Performed 8/16/00

Bled gas off well. MU & RIH w/ 3-1/2" magnet on sandline. POOH w/ sandline - LD fished bullnose & btm nut f/ 3-1/8" perf gun. RU BJ Services and frac B sds w/ 94,994# 20/40 sand in 575 bbls Viking I-25 fluid. Perfs broke dn @ 1750 psi.

Treated @ avg press of 1420 psi w/ avg rate of 31.5 BPM. ISIP: 1160 psi, 5MIN: 1120 psi. RD BJ. Flowback frac on 12/64" choke for 1 hr & died. Rec 42 BTF (est 7% of frac load). SIFN w/ est 1102 BWTR.

STIMULATION DETAIL: B Sands

3000 gals of pad

1000 gals w/ 1-2 ppg of 20/40 sand

11,000 gals w/ 2-8 ppg of 20/40 sand

5850 gals w/ 8 ppg of 20/40 sand

Flush w/ 3318 gals of slick water

Max TP: 1842, Avg TP: 1420, Max Rate: 31.7 BPM, Avg Rate: 31.5 BPM

Total fluid pmpd: 575 bbls, Total Prop pmpd: 94,994#

ISIP: 1160, 5 MIN: 1120

---

Daily Cost \$31,632 Cumulative Cost 264,261

Report Date 8/18/00 Day 7

Swabbing



Attachment G-4

## SUMMARY WORKOVER REPORT

Date Work Performed 8/17/00

TIH w/ RH & tbg. Tbg displaced 9 BW on TIH. Tas sd @ 5135'. Reve circ out sd to RBP @ 5327'. Release plg. TOH w/ tbg. LD plg. TIH w/ NC & tbg. Tag sd @ 6042'. C/O sd to PBD @ 6124'. Circ hole clean. Lost no fluid during circ. Pull EOT to 6070'. rU swab equip. IFL @ sfc. Made 11 swab runs rec 162 BTF w/ tr oil & no sand. FFL @ 1700' SIFN w/ est 931 BWTR.

Daily Cost \$3,021 Cumulative Cost 267,282

Report Date 8/19/00 Day 8

PU Rods / Place well on production

Date Work Performed 8/18/00

Bled gas off well. Con't swabbing all zones. IFL @ 1000'. Made 9 swb runs rec 101 BTF w/ 5% oil & fair gas on final runs. FFL @ 2100'. Rec no sand in samples. TIH w/ tbg. Tag 4' new fill (6120'). LD excess tbg. TOH w/ tbg & NC. TIH w/ BHA & prod tbg as follows: 2-3/8" NC, 2 jts tbg, SN, 2 jts tbg, new Arrow 4-1/2" TA (45K), 178 jts 2-3/8 8 rd 4.7# J-55 tbg. ND BOP. X-out tbg heads. Set TA @ 5787' w/ SN @ 5855' & EOT @ 5922'. Land tbg w/ 14,000# tension. NU wellhead SIFN w/ est 830 BWTR.

Daily Cost \$3,088 Cumulative Cost 270,370

Report Date 8/20/00 Day 9

WELL ON PRODUCTION

Date Work Performed 8/19/00

Bled gas off well & pmp 22 BW dn tbg to stifle gas. PU & TIH w/ rod string as follows: Axelson 2" x 1-1/2" x 16' RWAC pmp, 4 - 1-1/2" weight rods, 10 - 3/4" scraped rods, 129 - 3/4" plain rods, 90 - 3/4" scraped rods, 1 - 8', 1 - 6', 1 - 4' x 3/4" pony rods, 1-1/4" x 22' polished rod. Seat pmp. Fill tbg w/ 3 BW. Press test pump & tbg to 300 psi. Stroke pmp w/ rig to 800 psi. Good pmp action. RU pmp unit. RDMO SU. POP @ 12:00 p.m. 08/19/00 w/ 86" SL @ 7 SPM. Est 855 BWTR. FINAL REPORT

Daily Cost \$90,289 Cumulative Cost 360,659

## ATTACHMENT H

### OPERATING DATA

Submit the following proposed operating data for each well (including all those to be covered by area permits): (1) average and maximum daily rate and volume of the fluids to be injected; (2) average and maximum injection pressure; (3) nature of annulus fluid; and (4) for Class II wells, source and analysis of the physical and chemical characteristics of the injection fluid.

1. Estimated average daily rate is 300 BPD, and the estimated maximum daily rate is 500 BPD.
2. The average and maximum surface pressure will be determined upon testing.
3. Fresh water treated with scale inhibitor, oxygen scavenger, biocide (behind packer fluid).
4. The injected fluid is primarily culinary water from the Johnson Water District; in secondary cases the injected fluid will be culinary water from the Johnson Water District commingled with produced water. (See Attachments E-1 through E-4 for analysis).



**ATTACHMENT M**  
**CONSTRUCTION DETAILS**

**Submit schematic or other appropriate drawings of the surface and subsurface construction details of the well.**

Attachment M-1 Wellbore schematic of Odekirk Spring State #1-36-8-17

Attachment M-2 Site Plan of Odekirk Spring State #1-36-8-17

# Odekirk Spring #1-36-8-17

Attachment A-1

Spud Date: 07-14-00  
Put on Prod: 08-19-00  
GL: 5030' KB: 5040'

Initial Production: 127 BOPD,  
39 MCFPD, 2 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.54')  
DEPTH LANDED: 305' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 161 sxs Class "G" /2% CaCl2

### PRODUCTION CASING

CSG SIZE: 4-1/2"  
GRADE: J-55  
WEIGHT: 11.6#  
LENGTH: 145 jts. (6144.95')  
DEPTH LANDED: 6156'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem-lite and 550 sxs 50/50 Pozmix.

### TUBING

SIZE/GRADE/WT.: 2-3/8", J-55  
NO. OF JOINTS: 182 jts.  
TUBING ANCHOR: 5787' KB  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: 5911.53'; EOT @ 5922'  
SN LANDED AT: 5855' KB

### SUCKER RODS

POLISHED ROD: 1 1/4" x 22' polished rod.  
SUCKER RODS: 4 1-1/2" wt rods, 10 3/4" scraped, 129 3/4" plain rods, 90 3/4" scraped, 1-8", 1-6" and 1-4" x 3/4" pony rods.  
PUMP SIZE: 2" x 1-1/2" x 16' RWAC pump  
STROKE LENGTH: 86"  
PUMP SPEED: 7 SPM  
LOGS: DIGL/SP/GR/CAL 6169' (TD) to surface casing  
CNL/CDL/GR 6169' (TD) to 3000'

### FRAC JOB

08-11-00 5815-887' Frac CP sds w/78,560# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs broke @ 3950 psi. Avg press 3400 psi w/avg. rate 30 BPM. ISIP 2900 psi; 5 min 2300 psi. Flow back 12/64" choke 3 hrs & died.  
08-12-00 5580-622' Frac LDC sands w/100,781# 20/40 sand in 558 bbls Viking I-25 fluid. Perfs broke @ 2177 psi. ISIP 2408 psi; 5 min 2295 psi. Avg rate 34.7 BPM. Flow back 12/64" choke for 4 hrs & died.  
08-15-00 5228-260' Frac B sands w/94,994# 20/40 sand in 575 bbls Viking I25 fluid. Perfs broke down @ 1750 psi. Avg. press 1420 psi; avg rate of 31.5 BPM. ISIP 1160 psi; 5 min 1120 psi. Flowback on 12/64" choke for 1 hr & died.

### PERFORATION RECORD

|          |            |       |           |
|----------|------------|-------|-----------|
| 08-10-00 | 5815'-816' | 4 SPF | 4 shots   |
| 08-10-00 | 5876'-887' | 4 SPF | 36 shots  |
| 08-12-00 | 5580'-590' | 4 SPF | 40 shots  |
| 08-12-00 | 5592'-603' | 4 SPF | 33 shots  |
| 08-12-00 | 5611'-622' | 4 SPF | 44 shots  |
| 08-15-00 | 5228'-260' | 4 SPF | 128 shots |

5228'-5260'  
5580'-5590'  
5592'-5603'  
5611'-5622'

Anchor @ 5787' KB

5815'-5816'  
5876'-5887'

SN @ 5855' KB  
EOT @ 5922'  
PBTD @ 6124'  
TD @ 6169'



Inland Resources Inc.

Odekirk Spring State #1-36-8-17

660' FNL and 660' FEL

NENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33195; Lease #ML-44305

# Inland Production Company Site Facility Diagram

Odekirk 1-36-9-17

NENE Sec. 36, T9S, 17E

Uintah County, Utah

ML-44305

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

**Production Phase:**

- 1) Valves 1, 3, 4 sealed closed
- 2) Valves 2, 5, 6 sealed open

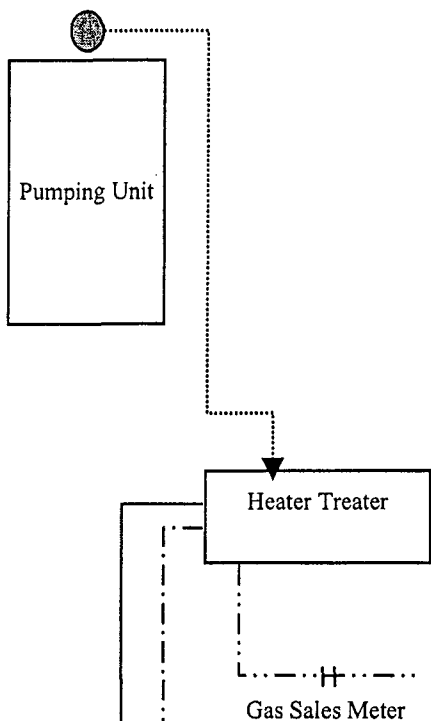
**Sales Phase:**

- 1) Valves 1, 2, 4, 5, 6 sealed closed
- 2) Valves 3 open

**Draining Phase:**

- 1) Valve 1 open

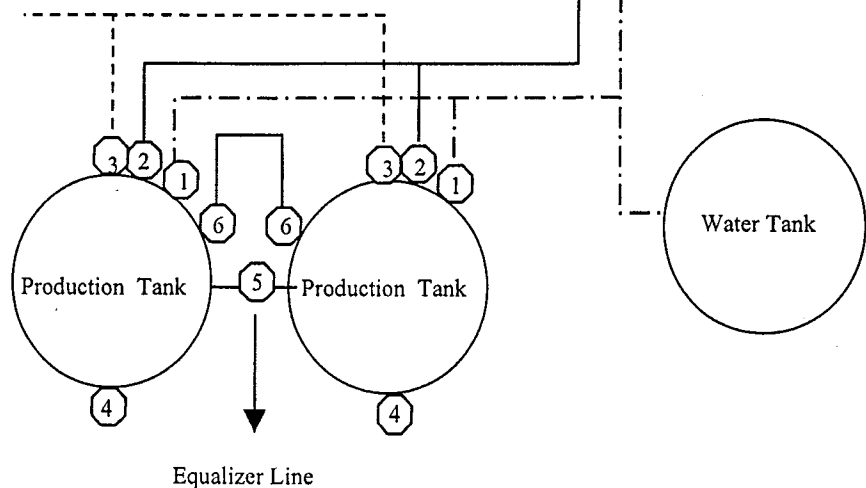
Well Head



← Diked Section

**Legend**

|               |             |
|---------------|-------------|
| Emulsion Line | .....       |
| Load Line     | -----       |
| Water Line    | - - - - -   |
| Oil Line      | —————       |
| Gas Sales     | - . - . - . |



## **ATTACHMENT Q**

### **PLUGGING AND ABANDONMENT PLAN**

**Submit a plan for plugging and abandonment of the well. Submit this information on EPA Form 7520-14, Plugging and Abandonment Plan.**

Attachment Q-1 EPA Form 7520-14, Plugging and Abandonment Plan

Attachment Q-2 Wellbore Schematic of Proposed Plugging and Abandonment

Attachment Q-3 Work procedure for plugging and abandonment


 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 WASHINGTON, DC 20460

**PLUGGING AND ABANDONMENT PLAN**

 NAME AND ADDRESS OF FACILITY  
 Odekirk Spring State #1-36-8-17  
 Uintah County, Utah

 NAME AND ADDRESS OF OWNER/OPERATOR  
 Inland Production Company  
 410 17th Street, Suite 700  
 Denver, Colorado 80202

 LOCATE WELL AND OUTLINE UNIT ON  
 SECTION PLAT — 640 ACRES

 STATE  
 Utah

 COUNTY  
 Uintah

PERMIT NUMBER

43-047-33195

SURFACE LOCATION DESCRIPTION

NE ¼ OF NE ¼ OF SECTION 36 TOWNSHIP 8S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

 Location 660 ft. from (N/S) N Line of quarter section  
 and 660 ft. from (E/W) E Line of quarter section

TYPE OF AUTHORIZATION

- ☒ Individual Permit  
☐ Area Permit  
☐ Rule

Number of Wells 1

WELL ACTIVITY

- ☐ CLASS I  
☒ CLASS II  
☐ Brine Disposal  
☒ Enhanced Recovery  
☐ Hydrocarbon Storage  
☐ CLASS III

Lease Name Odekirk Spring State

Well Number #1-36-8-17

CASING AND TUBING RECORD AFTER PLUGGING

| SIZE   | WT(LB/FT) | TO BE PUT IN WELL (FT) | TO BE LEFT IN WELL (FT) | HOLE SIZE |
|--------|-----------|------------------------|-------------------------|-----------|
| 8-5/8" | 24        | 305'                   | 305'                    | 12-1/4"   |
| 5-1/2" | 15.5      | 6156'                  | 6156'                   | 7-7/8"    |
|        |           |                        |                         |           |
|        |           |                        |                         |           |

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☒ The Balance Method  
☐ The Dump Bailer Method  
☐ The Two-Plug Method  
☐ Other

| CEMENTING TO PLUG AND ABANDON DATA:                        | PLUG #1 | PLUG #2 | PLUG #3 | PLUG #4 | PLUG #5 | PLUG #6 | PLUG #7 |
|--|---------|---------|---------|---------|---------|---------|---------|
| Size of Hole or Pipe in which Plug Will be Placed (inches) | 5-1/2"  | 5-1/2"  | 5-1/2"  | 5-1/2"  | 5-1/2"  | annulus |         |
| Depth to Bottom of Tubing or Drill Pipe (ft.)              |         |         |         |         |         |         |         |
| Sacks of Cement To Be Used (each plug)                     | 30      | 70      | 25      | 15      | 10      | 10      |         |
| Slurry Volume To Be Pumped (cu. Ft.)                       |         |         |         |         |         |         |         |
| Calculated Top of Plug (ft.)                               | 5715'   | 5128'   | 2000'   | 255'    | surface | surface |         |
| Measured Top of Plug (if tagged ft.)                       |         |         |         |         |         |         |         |
| Slurry Wt. (Lb./Gal.)                                      | 15.8    | 15.8    | 15.8    | 15.8    | 15.8    | 15.8    |         |
| Type Cement or Other Material (Class III)                  | Class G | Class G | Class G | Class G | Class G | Class G |         |

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

| From          | To | From | To |
|---------------|----|------|----|
| no open holes |    |      |    |
|               |    |      |    |
|               |    |      |    |
|               |    |      |    |
|               |    |      |    |

Estimated Cost to Plug Wells \$18,000

**CERTIFICATION**

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)

Bill Pennington / Chief Executive Officer

SIGNATURE

DATE SIGNED

Dec. 5, 2000

# Odekirk Spring State #1-36-8-17

Spud Date: 07-14-00  
Put on Prod: 08-19-00  
GL: 5030' KB: 5040'

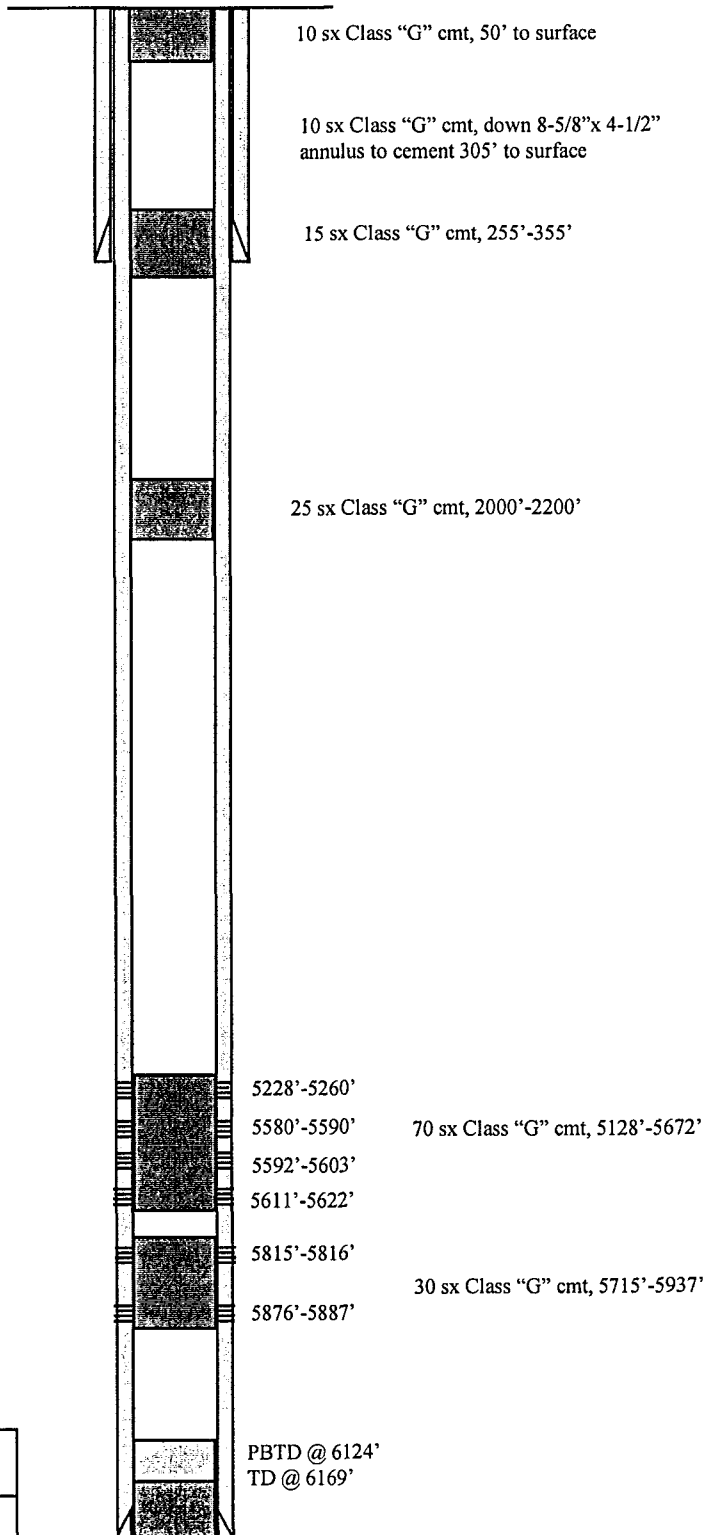
## Proposed P & A Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293.54')  
DEPTH LANDED: 305' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 161 sxs Class "G" /2% CaCl2

### PRODUCTION CASING

CSG SIZE: 4-1/2"  
GRADE: J-55  
WEIGHT: 11.6#  
LENGTH: 145 jts. (6144.95')  
DEPTH LANDED: 6156'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Premlite and 550 sxs 50/50 Pozmix.



**Inland Resources Inc.**

**Odekirk Spring State #1-36-8-17**

660' FNL and 660' FEL

NENE Section 36-T8S-R17E

Uintah Co, Utah

API #43-047-33195; Lease #ML-44305

### ATTACHMENT Q-3

#### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 222' plug from 5715'-5937' with 30 sxs Class "G" cement.
2. Plug #2 Set 544' plug from 5128'-5672' with 70 sxs Class "G" cement.
3. Plug #3 Set 200' plug from 2000'-2200' with 25 sxs Class "G" cement.
4. Plug #4 Set 100' plug from 255'-355' with 15 sxs Class "G" cement (50' above and 50' below casing shoe).
5. Plug #5 Set 50' plug from surface with 10 sxs Class "G" cement.
6. Plug #6 Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement from 305' to surface.

**ATTACHMENT R**

**NECESSARY RESOURCES**

**Submit evidence such as a surety bond or financial statement to verify that the resources necessary to close, plug, or abandon the well are available.**

Inland Production Company demonstrates financial responsibility by submitting annually the 10K financial report.





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

February 6, 2001

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Odekirk Springs Secondary Recovery Project Well: Odekirk Spring 1-36-8-17, Section 36, Township 8 South, Range 17 East, Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza

Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton  
SITLA, Salt Lake City

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company      **Well:** Odekirk Spring 1-36-8-17  
**Location:** 36/8S/17E      **API:** 43-047-33195

**Ownership Issues:** The proposed well is located on land owned by the State of Utah. The well is located in the Odekirk Springs Secondary Recovery Project. Lands in the one-half mile radius of the well are administered by the State of Utah and the BLM. Inland and various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Odekirk Springs Secondary Recovery Project. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 305 feet and is cemented to surface. A 5 ½ inch production casing is set at 6156 feet and has a cement top at 800 feet. A 2 7/8 inch tubing with a packer will be set at 5197 feet. A mechanical integrity test will be run on the well prior to injection. There are 4 producing or injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 100 feet. Injection shall be limited to the interval between 5228 feet and 5887 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 1-36-8-17 well is .654 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1145 psig. The requested maximum pressure is 1145 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Odekirk Spring 1-36-8-17  
page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Odekirk Springs Secondary Recovery Project on December 6, 2000. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date: 02/06/2001

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

|   |              |   |
|---|--------------|---|
| Well Name and Number<br>See Attached List |              | API Number                              |
| Location of Well                          |              | Field or Unit Name<br>See Attached List |
| Footage :                                 | County :     | Lease Designation and Number            |
| QQ, Section, Township, Range:             | State : UTAH |   |

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: \_\_\_\_\_  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *[Signature]*Title: *Perk. Services Manager*Approval Date: 9-20-04

Comments:

Note: Indian Country wells will require EPA approval.

(5/2003)

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SEP 20 2004

DIV. OF OIL, GAS &amp; MINING



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|   |  |  |
|---|--|--|
| 1. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>ML44305           |
| 2. NAME OF OPERATOR:<br>Newfield Production Company   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>ODEKIRK SPRING UNIT |
| 3. ADDRESS OF OPERATOR:<br>Route 3 Box 3630 CITY Myton STATE UT ZIP 84052   |  | 7. UNIT or CA AGREEMENT NAME:<br>ODEKIRK SPRING UNIT         |
| 4. LOCATION OF WELL:<br>FOOTAGES AT SURFACE: 660 FNL 660 FEL  |  | 8. WELL NAME and NUMBER:<br>ODEKIRK SPRING 1-36-8-17         |
| PHONE NUMBER<br>435.646.3721  |  | 9. API NUMBER:<br>4304733195                                 |
| 10. FIELD AND POOL, OR WILDCAT:<br>Monument Butte   |  |  |
| QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NE, 36, T8S, R17E   |  | COUNTY: Uintah<br><br>STATE: Utah                            |

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| TYPE OF SUBMISSION   | TYPE OF ACTION   |  |   |
|--|--|--|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br>_____                          | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input checked="" type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARITLY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input type="checkbox"/> OTHER: - |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br><br>12/13/2004 |  |  |   |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was recompleted in the Green River formation. Three new intervals were perforated, the D2 sds 4996'-5003' w/4 JSPF, A1 sds 5403'-5406' w/4 JSPF and the A1 sds 5413'-5416' w/4 JSPF for a total of 52 shots. The well was also converted from a producing to an injection well on 12/9/04. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly at 4945'. On 12/10/04 Mr. Dan Jackson w/EPA was notified of the intent to conduct a MIT on the casing. On 12/10/04 the casing was pressured to 1350 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

|  |                               |
|--|-------------------------------|
| NAME (PLEASE PRINT) <u>Krishna Russell</u> | TITLE <u>Production Clerk</u> |
| SIGNATURE <u>Krishna Russell</u>           | DATE <u>December 13, 2004</u> |

(This space for State use only)

**RECEIVED**  
**DEC 16 2004**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 12 / 10 / 04  
Test conducted by: BRET HENRIE  
Others present: \_\_\_\_\_

|   |                       |                         |
|---|-----------------------|-------------------------|
| Well Name: <u>ODEARK SPRING 136-B-17</u>  | Type: <u>(ER)</u> SWD | Status: AC TA <u>UC</u> |
| Field: <u>ODEARK SPRING UNIT</u>  |                       |                         |
| Location: <u>NE/NE</u> Sec: <u>36</u> T <u>2</u> N/S R <u>17</u> E/W County: <u>UTAH</u> State: <u>UT</u> |                       |                         |
| Operator: <u>NEWFIELD</u>   |                       |                         |
| Last MIT: <u>1 NA 1</u> Maximum Allowable Pressure: _____ PSIG  |                       |                         |

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☒ Yes ☐ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

| MIT DATA TABLE         | Test #1  | Test #2   | Test #3   |
|------------------------|--|---|---|
| <b>TUBING</b>          | <b>PRESSURE</b>  |   |   |
| Initial Pressure       | <u>265</u> psig  | psig  | psig  |
| End of test pressure   | <u>265</u> psig  | psig  | psig  |
| <b>CASING / TUBING</b> | <b>ANNULUS PRESSURE</b>  |   |   |
| 0 minutes              | <u>1350</u> psig   | psig  | psig  |
| 5 minutes              | <u>1350</u> psig   | psig  | psig  |
| 10 minutes             | <u>1350</u> psig   | psig  | psig  |
| 15 minutes             | <u>1350</u> psig   | psig  | psig  |
| 20 minutes             | <u>1350</u> psig   | psig  | psig  |
| 25 minutes             | <u>1350</u> psig   | psig  | psig  |
| 30 minutes             | <u>1350</u> psig   | psig  | psig  |
| _____ minutes          | psig   | psig  | psig  |
| _____ minutes          | psig   | psig  | psig  |
| <b>RESULT</b>          | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

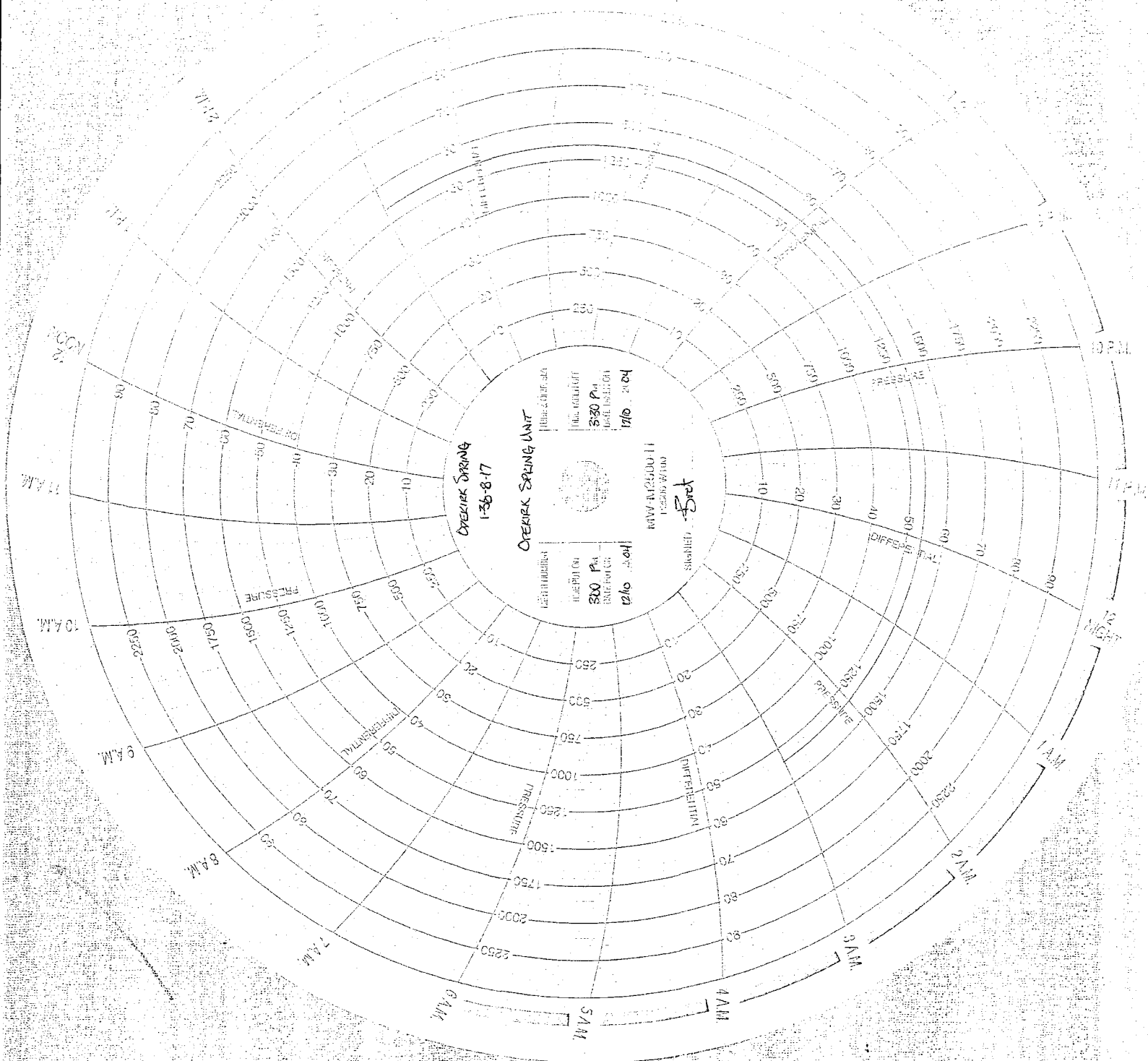
Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_







UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
999 18<sup>TH</sup> STREET - SUITE 300  
DENVER, CO 80202-2466  
<http://www.epa.gov/region08>

Ref: 8P-W-GW

JAN 1 2005

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. David Gerbig  
Operations Engineer  
Newfield Production Company  
1401 Seventeenth Street - Suite 1000  
Denver, CO 80202

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

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JAN 05 2005  
OIL, GAS & MINING

RE: **180-Day Limited Authorization to Inject**  
Odekirk Spring State No. 1-36-8-17  
EPA Permit No. UT20905-04613  
NE NE Sec. 36 - T8S - R17E  
Duchesne County, Utah

Dear Mr. Gerbig:

The Newfield Production Company (Newfield) December 13, 2004 submission of **Prior to Commencing Injection** documents did contain all information required to fulfill the Environmental Protection Agency's (EPA) **Prior to Commencing Injection** requirements, as cited in the Odekirk Spring State No. 1-36-8-17 EPA Permit UT20905-04613: Part II, Section C. 1. The submitted data included an EPA Well Rework Form (Form No. 7520-12), a Part I (Internal) Mechanical Integrity Test, and the injection zone pore pressure. All data was reviewed and approved by the EPA on December 20, 2004.

The EPA is hereby authorizing injection into the Odekirk Spring State No. 1-36-8-17 for a limited period of up to one hundred and eighty (180) calendar days, herein referred to as the "Limited Authorized Period". The "180-Day Limited Authorization Period" will commence upon the first date of enhanced recovery injection. The permittee is responsible for notifying Emmett Schmitz, of my office, by letter within fifteen (15) working days of the date that enhanced recovery injection began. The initial maximum allowable injection pressure (MAIP) is 1095 psig.

MAIP = [Fracture Gradient - (SG)(0.433)] Top Perforation

MAIP = [0.654 - (1.005)(0.433)] 4996 feet

MAIP = 1093 psig, but increased to 1095 psig.



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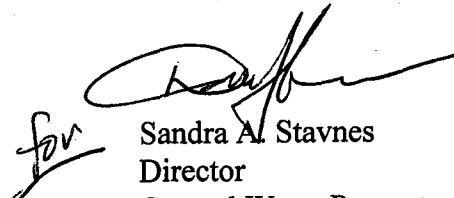
The Newfield December 13, 2004 Pre-injection Requirements submission contains the EPA Form No. 7520-12 (Well Rework Record) which identifies new perforations that necessitate a recalculation of the MAIP to 1095 psig. The original MAIP of 1144 psig, as cited in the Final Permit, was based upon a top perforation of 5228 feet.

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index cement through the confining zone overlying the Garden Gulch Member, **the operator is required to demonstrate Part II (External) Mechanical Integrity (Part II MI) within the 180-day "Limited Authorized Period"**. Approved tests for demonstrating Part II (External) MI include a Temperature Survey, a Noise Log or Oxygen Activation Log, and Region 8 may also accept results of a Radioactive Tracer Survey under certain circumstances. The "Limited Authorized Period" allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II (External) MI, which is necessary because the proposed injection zone is under-pressured due to previous oil production from the zone, and the tests rely on stable formation pressure. Results of tests shall be submitted to, and written approval with authority to re-commence injection received from, EPA prior to resuming injection following the "Limited Authorized Period". Copies of current Region 8 Guidelines for conducting Part II (External) Mechanical Integrity Tests will be submitted upon request.

Should the operator apply for an increase to the MAIP, at any future date, a **demonstration of Part II (External) MI must be conducted in addition to the Step-Rate Test**. The operator must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during the test(s).

If you have any questions in regard to the above action, please contact Dan Jackson at 1.800.227.8917 (Ext. 6155). Results from the Part II (External) MI test, should be mailed directly to the **ATTENTION: DAN JACKSON**, at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

  
for Sandra A. Stavnes  
Director  
Ground Water Program

cc: Mike Guinn  
Vice President - Operations  
Newfield Production Company

Maxine Natchees  
Chairperson  
Uintah & Ouray Business Committee  
Ute Indian Tribe

Elaine Willie  
Environmental Director  
Ute Indian Tribe

Chester Mills  
Superintendent  
Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

Gil Hunt  
Technical Services Manager  
State of Utah - Natural Resources  
Division of Oil, Gas, and Mining

Ed Forsman  
Sr. Petroleum Engineer  
Bureau of Land Management  
Vernal District

Mr. Nathan Wiser, 8ENF-UFO

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

|   |  |  |
|---|--|--|
| 1. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>ML44305   |
| 2. NAME OF OPERATOR:<br>Newfield Production Company   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                |
| 3. ADDRESS OF OPERATOR:<br>Route 3 Box 3630 CITY Myton STATE UT ZIP 84052   |  | 7. UNIT or CA AGREEMENT NAME:<br>ODEKIRK SPRING UNIT |
| 4. LOCATION OF WELL:<br>FOOTAGES AT SURFACE: 660 FNL 660 FEL  |  | 8. WELL NAME and NUMBER:<br>ODEKIRK SPRING 1-36-8-17 |
| 5. PHONE NUMBER:<br>435.646.3721  |  | 9. API NUMBER:<br>4304733195                         |
| 6. QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NE, 36, T8S, R17E  |  | 10. FIELD AND POOL, OR WILDCAT:<br>Monument Butte    |
| COUNTY: Uintah  |  | STATE: Utah  |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |  |  |
|--|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will<br>_____                      | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input checked="" type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARITLY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input checked="" type="checkbox"/> OTHER: - Put Well on Injection |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of Work Completion:<br>01/10/2005 |   |  |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above referenced well was put on injection at 10:00 a.m. on 1/10/05.

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DIV. OF OIL, GAS & MINING

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

NAME (PLEASE PRINT) Mandie Crozier

TITLE Regulatory Specialist

SIGNATURE

*Mandie Crozier*

DATE January 10, 2005

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM:** (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO:** ( New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****ODEKIRK SPRING 36****WELL(S)**

| NAME                      | SEC | TWN  | RNG  | API NO     | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---------------------------|-----|------|------|------------|-----------|------------|-----------|-------------|
| ODEKIRK SPRING 4-36-8-17  | 36  | 080S | 170E | 4304732764 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 6-36-8-17  | 36  | 080S | 170E | 4304733013 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 5-36-8-17  | 36  | 080S | 170E | 4304733014 | 13055     | State      | WI        | A           |
| ODEKIRK SPRING 3-36-8-17  | 36  | 080S | 170E | 4304733015 | 13055     | State      | WI        | A           |
| ODEKIRK SPRING 14-36-8-17 | 36  | 080S | 170E | 4304733075 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 11-36-8-17 | 36  | 080S | 170E | 4304733077 | 13055     | State      | WI        | A           |
| ODEKIRK SPRING 7-36-8-17  | 36  | 080S | 170E | 4304733078 | 13055     | State      | WI        | A           |
| ODEKIRK SPRING 2-36-8-17  | 36  | 080S | 170E | 4304733079 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 1-36-8-17  | 36  | 080S | 170E | 4304733195 | 13055     | State      | WI        | A           |
| ODEKIRK SPRING 8-36-8-17  | 36  | 080S | 170E | 4304733196 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 9-36-8-17  | 36  | 080S | 170E | 4304733197 | 13055     | State      | WI        | A           |
| ODEKIRK SPRING 10-36-8-17 | 36  | 080S | 170E | 4304733198 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 15-36-8-17 | 36  | 080S | 170E | 4304733199 | 13055     | State      | OW        | P           |
| ODEKIRK SPRING 16-36-8-17 | 36  | 080S | 170E | 4304733200 | 13055     | State      | OW        | P           |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |
|                           |     |      |      |            |           |            |           |             |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2) Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.


|  |  |  |
|--|--|--|
| 1. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>ML-44305  |
| 2. NAME OF OPERATOR:<br>NEWFIELD PRODUCTION COMPANY  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                |
| 3. ADDRESS OF OPERATOR:<br>Route 3 Box 3630 CITY Myton STATE UT ZIP 84052                                |  | 7. UNIT or CA AGREEMENT NAME:<br>ODEKIRK SPRING UNIT |
| PHONE NUMBER<br>435.646.3721   |  | 8. WELL NAME and NUMBER:<br>ODEKIRK 1-36-8-17        |
| 4. LOCATION OF WELL:<br>FOOTAGES AT SURFACE: 660 FNL 660 FEL   |  | 9. API NUMBER:<br>4304733195                         |
| OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 36, T8S, R17E   |  | 10. FIELD AND POOL, OR WILDCAT:<br>MONUMENT BUTTE    |
|  |  | COUNTY: UINTAH                                       |
|  |  | STATE: UT  |

| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |  |  |
|--|---|--|--|
| TYPE OF SUBMISSION   | TYPE OF ACTION  |  |  |
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br><br>                           | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARITLY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input checked="" type="checkbox"/> OTHER: - MIT |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br><br>08/14/2006 |   |  |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 8/14/06 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 8/11/06. On 8/11/06 the csg was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 25 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20905-04613 API# 43-047-33195

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

|   |                        |
|---|------------------------|
| NAME (PLEASE PRINT) Callie Duncan   | TITLE Production Clerk |
| SIGNATURE  | DATE 08/17/2006        |

(This space for State use only)

AUG 18 2006



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 08/14/06  
Test conducted by: Dale Giles  
Others present: \_\_\_\_\_

|   |                |   |                         |
|---|----------------|---|-------------------------|
| Well Name: <u>Ode Kirk Spring 1-36-8-17</u> |                | Type: <u>ER SWD</u>                     | Status: <u>AC TA UC</u> |
| Field: <u>Ode Kirk Spring Unit</u>          |                |   |                         |
| Location: _____                             | Sec: <u>36</u> | T: <u>8</u>                             | N: <u>17</u>            |
| Operator: <u>Newfield Production Co.</u>    |                | County: <u>Uintah</u>                   | State: <u>Ut.</u>       |
| Last MIT: _____                             |                | Maximum Allowable Pressure: <u>1095</u> | PSIG                    |

Is this a regularly scheduled test? ☐ Yes ☐ No  
Initial test for permit? ☐ Yes ☐ No  
Test after well rework? ☒ Yes ☐ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

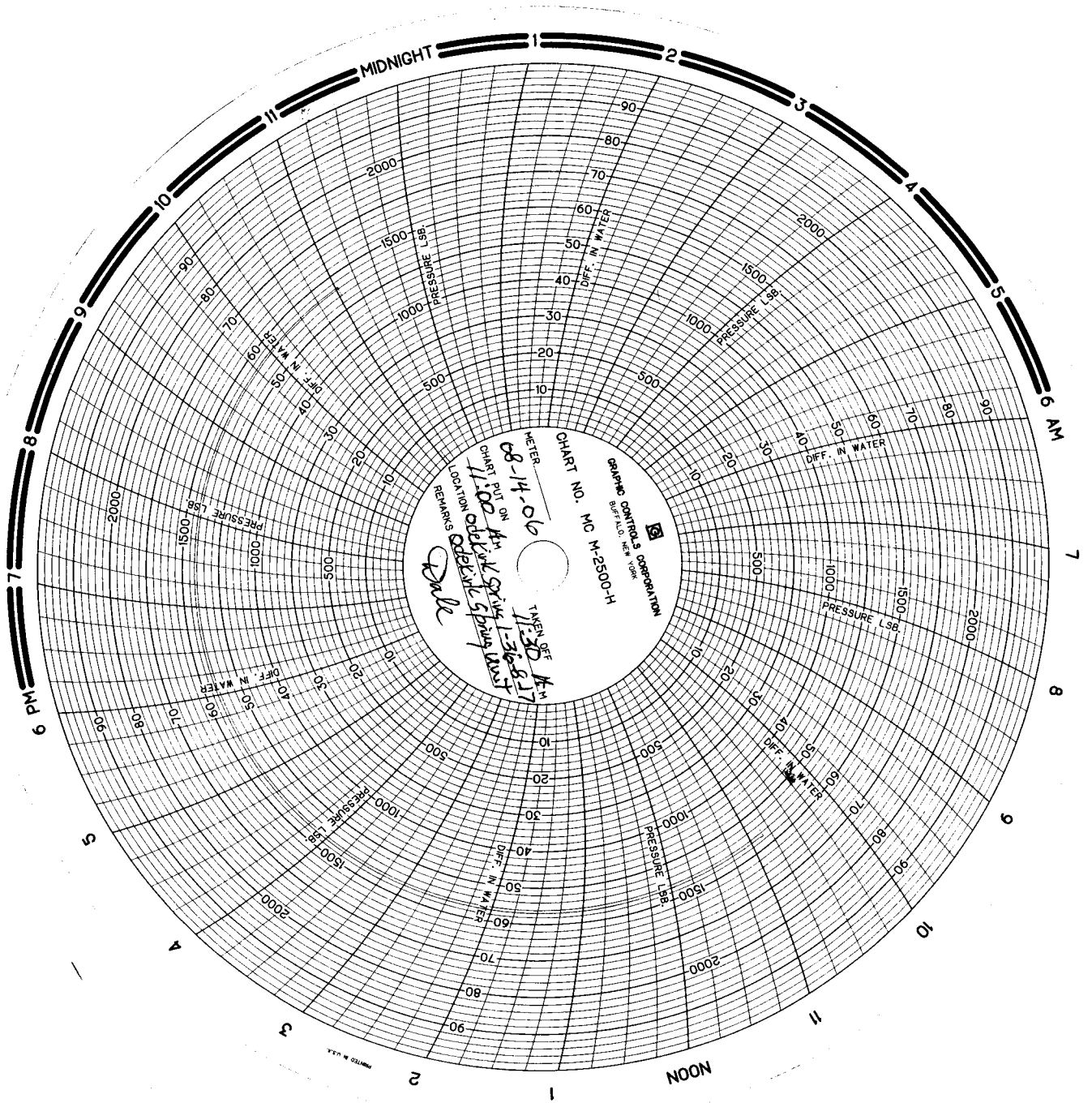
| MIT DATA TABLE       |  | Test #1   | Test #2   | Test #3 |
|----------------------|--|---|---|---------|
| TUBING               |  | PRESSURE  |   |         |
| Initial Pressure     | 25 psig  | psig  | psig  |         |
| End of test pressure | 25 psig  | psig  | psig  |         |
| CASING / TUBING      |  | ANNULUS PRESSURE  |   |         |
| 0 minutes            | 1415 psig  | psig  | psig  |         |
| 5 minutes            | 1415 psig  | psig  | psig  |         |
| 10 minutes           | 1415 psig  | psig  | psig  |         |
| 15 minutes           | 1415 psig  | psig  | psig  |         |
| 20 minutes           | 1415 psig  | psig  | psig  |         |
| 25 minutes           | 1415 psig  | psig  | psig  |         |
| 30 minutes           | 1415 psig  | psig  | psig  |         |
| _____ minutes        | psig   | psig  | psig  |         |
| _____ minutes        | psig   | psig  | psig  |         |
| RESULT               | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |         |

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-44305

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

ODEKIRK SPRING UNIT

8. WELL NAME and NUMBER:

ODEKIRK 1-36-8-17

9. API NUMBER:

4304733195

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

1. TYPE OF WELL:

OIL WELL ☒

GAS WELL ☐

OTHER *WT*

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 660 FNL 660 FEL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 36, T8S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |  |  |
|---|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br><br>_____                             | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARILY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input checked="" type="checkbox"/> OTHER: - Workover |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br><br><u>09/04/2006</u> |   |  |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The packer was released at 4945'. A Marcit squeeze was performed on this well. The well was pressure tested and the packer was reset at 4970'.

RECEIVED

SEP 06 2006

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE

*Kathy Chapman*

DATE 09/05/2006

(This space for State use only)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

999 18<sup>TH</sup> STREET- SUITE 200

DENVER, CO 80202-2466

Phone 800-227-8917

<http://www.epa.gov/region08>

SEP 21 2006

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Michael Guinn  
Vice President - Operations  
Newfield Production Company  
Route 3 - Box 3650  
Myton, Utah 84502

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

43,047,33195

8S 17E 36

RE: Underground Injection Control (UIC)  
180-Day Limited Authority to Inject  
Odekirk Spring State No. 1-36-8-17  
EPA Well Permit ID: UT20905-04613  
Uintah County, Utah

Dear Mr. Guinn:

Newfield Production Company (Newfield) has fulfilled the workover requirements as specified in Permit UT20905-04613: Part II. A. 4. (Proposed Changes and Workovers) in submitting to the Environmental Protection Agency (EPA) a Part I (Internal) Mechanical Integrity Test (MIT) and an Environmental Protection Agency (EPA) Form No. 7520-12 (Rework Record). Both documents have been reviewed and approved by the EPA.

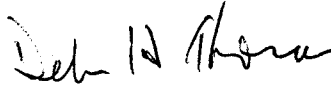
Upon receipt of this letter, Newfield may commence injection for a **180-Day Limited Authorization Period** in which to conduct the required Part II (External) MIT and Step-Rate Test, as required in the EPA letter of March 28, 2006.

Prior to conducting the Part II MIT, the operator must receive authorization from the Director in order to inject at pressures greater than the permitted MAIP of 1095 psig. Results from Part II (External) MI test(s) shall be mailed directly to the **ATTENTION: EMMETT SCHMITZ**, at the letterhead address citing **MAIL CODE: 8P-W-GW** very prominently.

**RECEIVED**  
**OCT 02 2006**  
DIV. OF OIL, GAS & MINING

Please be reminded that it is your responsibility to be aware of and comply with all conditions of Permit UT20905-04613. Please contact Emmett Schmitz at 303-312-6174, in the Denver area, or 1-800-227-8917 (Ext. 6174) if you have any questions in regard to the above action.

Sincerely,



for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Maxine Natchees  
Acting Chairperson  
Uintah & Ouray Business Committee  
Ute Indian Tribe

S. Elaine Willie  
Environmental Coordinator  
Ute Indian Tribe

Lynn Becker  
Director  
Energy & Minerals Dept.  
Ute Indian Tribe

Chester Mills  
Superintendent  
U.S. Bureau of Indian Affairs  
Uintah & Ouray Indian Agency

David Gerbig  
Operations Engineer  
Newfield Production Company  
Denver, CO

Gilbert Hunt  
Associate Director  
State of Utah - Natural Resources

Fluid Minerals Engineering Office  
U.S. Bureau of Land Management  
Vernal, UT

Nathan Wiser  
8ENF-UFO



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 660 FNL 660 FEL

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 36, T8S, R17E

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTAH STATE ML-44305

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

ODEKIRK SPRING UNIT

8. WELL NAME and NUMBER:

ODEKIRK SPRING 1-36-8-17

9. API NUMBER:

4304733195

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

COUNTY: UINTAH

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |  |   |
|--|---|--|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br><br>_____                      | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARITLY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input checked="" type="checkbox"/> OTHER: - Step Rate Test |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br><br>01/03/2007 |   |  |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on December 21, 2006. Results from the test indicate that the fracture gradient is .667 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1160 psi.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

NAME (PLEASE PRINT) Cheyenne Bateman

TITLE Well Analyst Foreman

SIGNATURE

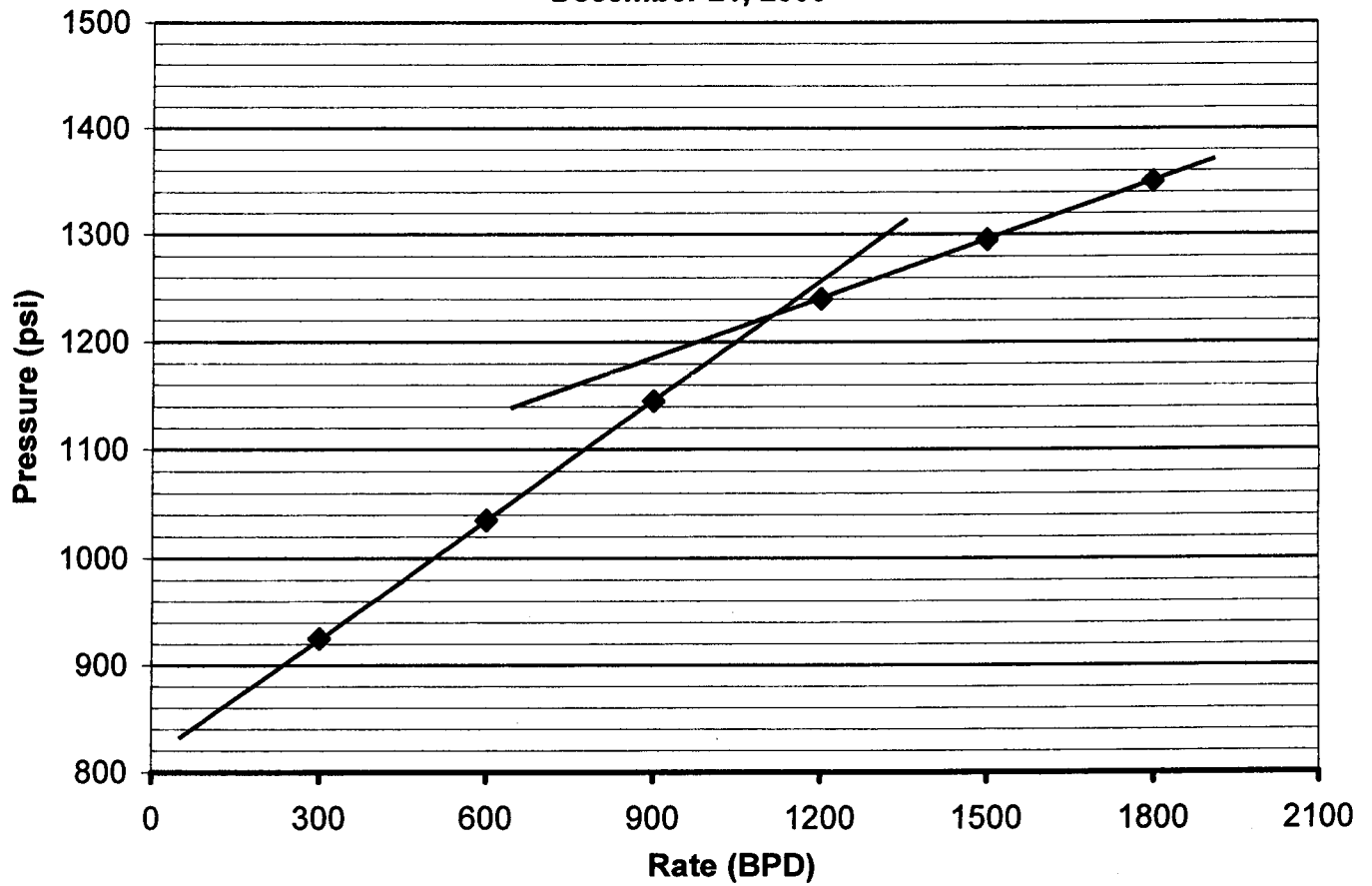
DATE 01/03/2007

(This space for State use only)

RECEIVED  
JAN 05 2007

DIV. OF OIL, GAS & MINING

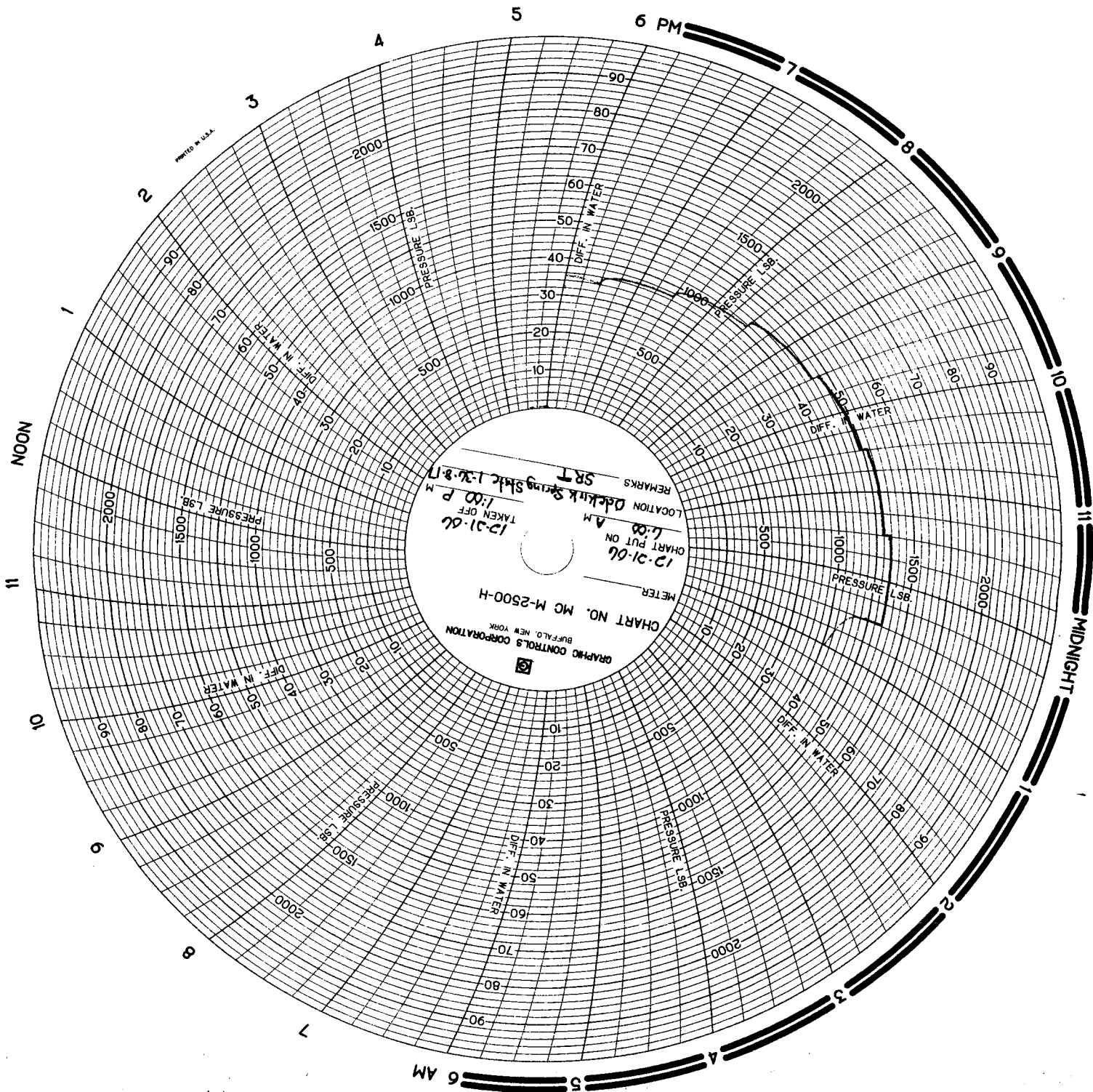
**Odekirk Spring State 1-36-8-17**  
**Odekirk Spring Unit**  
**Step Rate Test**  
**December 21, 2006**



**Start Pressure:** 855 psi  
**Instantaneous Shut In Pressure (ISIP):** 1160 psi  
**Top Perforation:** 4996 feet  
**Fracture pressure (Pfp):** 1225 psi  
**FG:** 0.667 psi/ft

| Step | Rate(bpd) | Pressure(psi) |
|------|-----------|---------------|
| 1    | 300       | 925           |
| 2    | 600       | 1035          |
| 3    | 900       | 1145          |
| 4    | 1200      | 1240          |
| 5    | 1500      | 1295          |
| 6    | 1800      | 1350          |





|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.   |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-44305  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   |  | <b>8. WELL NAME and NUMBER:</b><br>ODEKIRK SPRING 1-36-8-17 |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0660 FNL 0660 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 36 Township: 08.0S Range: 17.0E Meridian: S  |  | <b>9. API NUMBER:</b><br>43047331950000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext   |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>COUNTY:</b><br>UINTAH   |  | <b>STATE:</b><br>UTAH                                       |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>   |  |   |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>  |   |
| <input type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:  | <input type="checkbox"/> <b>ACIDIZE</b>                            |   |
| <input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:<br>7/26/2011  | <input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>           |   |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   | <input type="checkbox"/> <b>CHANGE WELL STATUS</b>                 |   |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  | <input type="checkbox"/> <b>DEEPEN</b>                             |   |
|  | <input type="checkbox"/> <b>OPERATOR CHANGE</b>                    |   |
|  | <input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>         |   |
|  | <input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>      |   |
|  | <input type="checkbox"/> <b>TUBING REPAIR</b>                      |   |
|  | <input type="checkbox"/> <b>WATER SHUTOFF</b>                      |   |
|  | <input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>         |   |
|  | <input type="checkbox"/> <b>ALTER CASING</b>                       |   |
|  | <input type="checkbox"/> <b>CHANGE TUBING</b>                      |   |
|  | <input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>     |   |
|  | <input type="checkbox"/> <b>FRACTURE TREAT</b>                     |   |
|  | <input type="checkbox"/> <b>PLUG AND ABANDON</b>                   |   |
|  | <input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>           |   |
|  | <input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>           |   |
|  | <input type="checkbox"/> <b>VENT OR FLARE</b>                      |   |
|  | <input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>             |   |
|  | <input checked="" type="checkbox"/> <b>OTHER</b>                   |   |
|  | <input type="checkbox"/> <b>CASING REPAIR</b>                      |   |
|  | <input type="checkbox"/> <b>CHANGE WELL NAME</b>                   |   |
|  | <input type="checkbox"/> <b>CONVERT WELL TYPE</b>                  |   |
|  | <input type="checkbox"/> <b>NEW CONSTRUCTION</b>                   |   |
|  | <input type="checkbox"/> <b>PLUG BACK</b>                          |   |
|  | <input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>     |   |
|  | <input type="checkbox"/> <b>TEMPORARY ABANDON</b>                  |   |
|  | <input type="checkbox"/> <b>WATER DISPOSAL</b>                     |   |
|  | <input type="checkbox"/> <b>APD EXTENSION</b>                      |   |
|  | OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/> |   |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br>On 07/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 07/26/2011 the casing was pressured up to 1410 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 980 psig during the test. There was not an EPA representative available to witness the test. EPA ID: UT20905-04613 |  |   |
| <b>Accepted by the Utah Division of Oil, Gas and Mining</b><br><b>FOR RECORD ONLY</b>  |  |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto  | <b>PHONE NUMBER</b><br>435 646-4874                                | <b>TITLE</b><br>Water Services Technician                   |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>8/1/2011  |   |

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_

Date: 7 / 26 / 11Test conducted by: Lynn Manson

Others present: \_\_\_\_\_

|   |                                   |                  |
|---|-----------------------------------|------------------|
| Well Name: <u>ODEKIRK Spring 1-36-8-17</u>                                  | Type: ER SWD                      | Status: AC TA UC |
| Field: <u>Monument Butte</u>  |                                   |                  |
| Location: <u>NE/NE</u> Sec: <u>36</u> T <u>8</u> N <u>15</u> R <u>17E</u> W | County: <u>Uintah</u>             | State: <u>ut</u> |
| Operator: <u>Newfield</u>   |                                   |                  |
| Last MIT: <u>1</u> / <u>1</u>   | Maximum Allowable Pressure: _____ | PSIG             |

Is this a regularly scheduled test? ☒ Yes ☐ No  
 Initial test for permit? ☐ Yes ☒ No  
 Test after well rework? ☐ Yes ☒ No  
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 2 psig

| MIT DATA TABLE                          | Test #1  | Test #2   | Test #3   |
|---|--|---|---|
| <b>TUBING PRESSURE</b>                  |  |   |   |
| Initial Pressure                        | <u>980</u> psig  | psig  | psig  |
| End of test pressure                    | <u>980</u> psig  | psig  | psig  |
| <b>CASING / TUBING ANNULUS PRESSURE</b> |  |   |   |
| 0 minutes                               | <u>1410</u> psig   | psig  | psig  |
| 5 minutes                               | <u>1410</u> psig   | psig  | psig  |
| 10 minutes                              | <u>1410</u> psig   | psig  | psig  |
| 15 minutes                              | <u>1410</u> psig   | psig  | psig  |
| 20 minutes                              | <u>1410</u> psig   | psig  | psig  |
| 25 minutes                              | <u>1410</u> psig   | psig  | psig  |
| 30 minutes                              | <u>1410</u> psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| <b>RESULT</b>                           | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

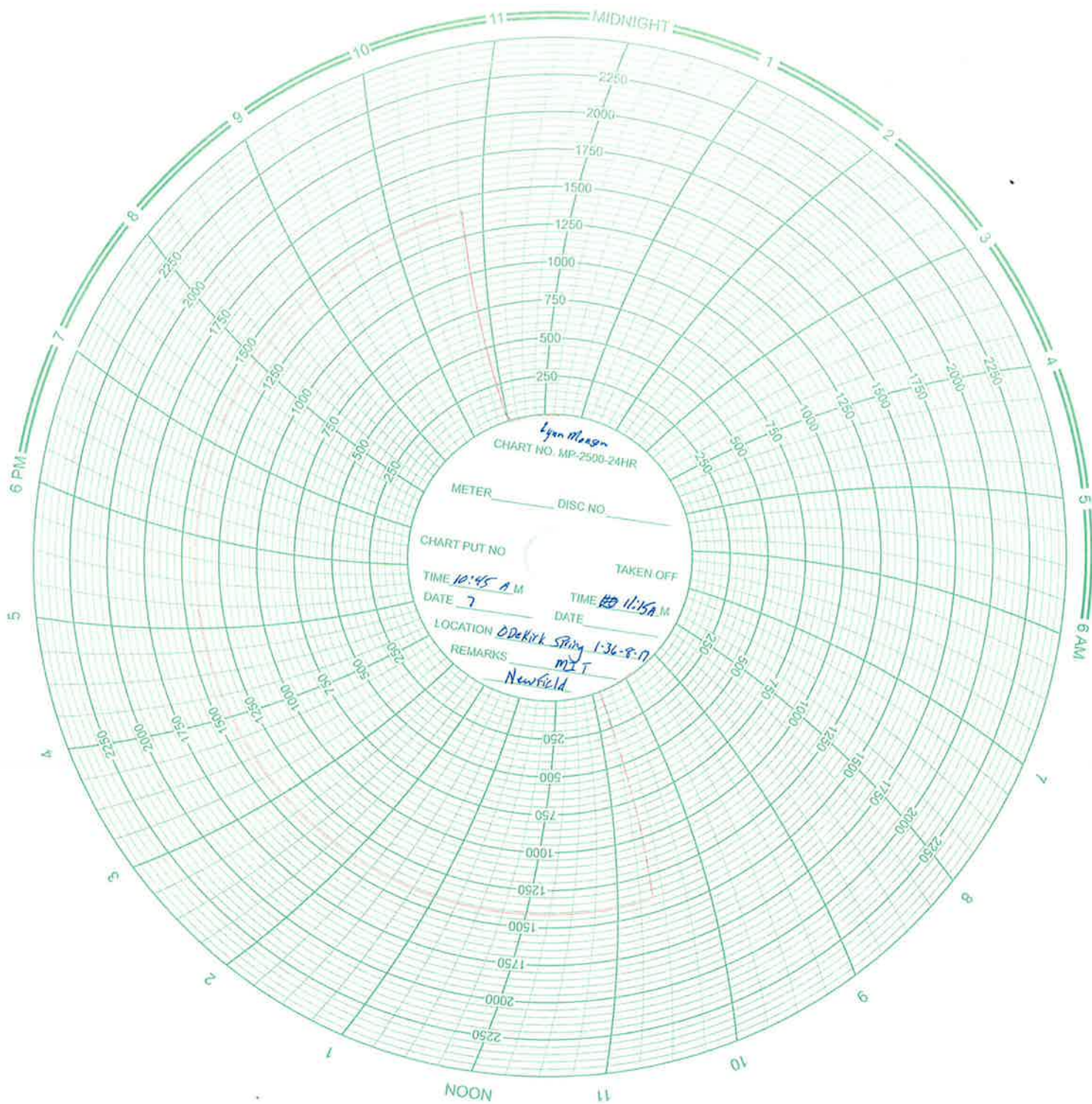
## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_

**RECEIVED** Aug. 01, 2011





|   |  |   |
|---|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-44305  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052  |  | <b>8. WELL NAME and NUMBER:</b><br>ODEKIRK SPRING 1-36-8-17 |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0660 FNL 0660 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 36 Township: 08.0S Range: 17.0E Meridian: S   |  | <b>9. API NUMBER:</b><br>43047331950000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>COUNTY:</b><br>UINTAH  |  | <b>STATE:</b><br>UTAH                                       |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |  |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>  |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION        |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>1/7/2015   | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION   |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | OTHER: <input type="text" value="Workover / Polymer"/>   |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><p>The above subject well had workover procedures performed (polymer squeeze), attached is a daily status report. Workover MIT performed on the above listed well. On 01/07/2015 the csg was pressured up to 1369 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 345 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04613</p> |  |   |
| <b>Accepted by the<br/>         Utah Division of<br/>         Oil, Gas and Mining<br/>         FOR RECORD ONLY<br/>         January 20, 2015</b>  |  |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874  | <b>TITLE</b><br>Water Services Technician                   |
| <b>SIGNATURE</b><br>N/A   | <b>DATE</b><br>1/14/2015   |   |

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_

Date: 01/10/2015Test conducted by: Don Trane

Others present: \_\_\_\_\_

|  |                                   |                  |
|--|-----------------------------------|------------------|
| Well Name: _____   | Type: ER SWD                      | Status: AC TA UC |
| Field: <u>So. Myton</u>  |                                   |                  |
| Location: <u>1</u> Sec: <u>36</u> T <u>8</u> N/S R <u>170</u> E/W County: <u>Utah</u> State: <u>Utah</u> |                                   |                  |
| Operator: <u>Don Trane</u>   |                                   |                  |
| Last MIT: <u>1</u> / <u>1</u>  | Maximum Allowable Pressure: _____ | PSIG             |

Is this a regularly scheduled test?

☐ Yes☒ No

Initial test for permit?

☐ Yes☒ No

Test after well rework?

☒ Yes☐ No

Well injecting during test?

☐ Yes☒ No

If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

| MIT DATA TABLE                          | Test #1  | Test #2   | Test #3   |
|---|--|---|---|
| <b>TUBING PRESSURE</b>                  |  |   |   |
| Initial Pressure                        | <u>345</u> psig  | psig  | psig  |
| End of test pressure                    | <u>345</u> psig  | psig  | psig  |
| <b>CASING / TUBING ANNULUS PRESSURE</b> |  |   |   |
| 0 minutes                               | <u>1372</u> psig   | psig  | psig  |
| 5 minutes                               | <u>1369</u> psig   | psig  | psig  |
| 10 minutes                              | <u>1369</u> psig   | psig  | psig  |
| 15 minutes                              | <u>1369</u> psig   | psig  | psig  |
| 20 minutes                              | <u>1369</u> psig   | psig  | psig  |
| 25 minutes                              | <u>1368</u> psig   | psig  | psig  |
| 30 minutes                              | <u>1369</u> psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| _____ minutes                           | psig   | psig  | psig  |
| <b>RESULT</b>                           | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

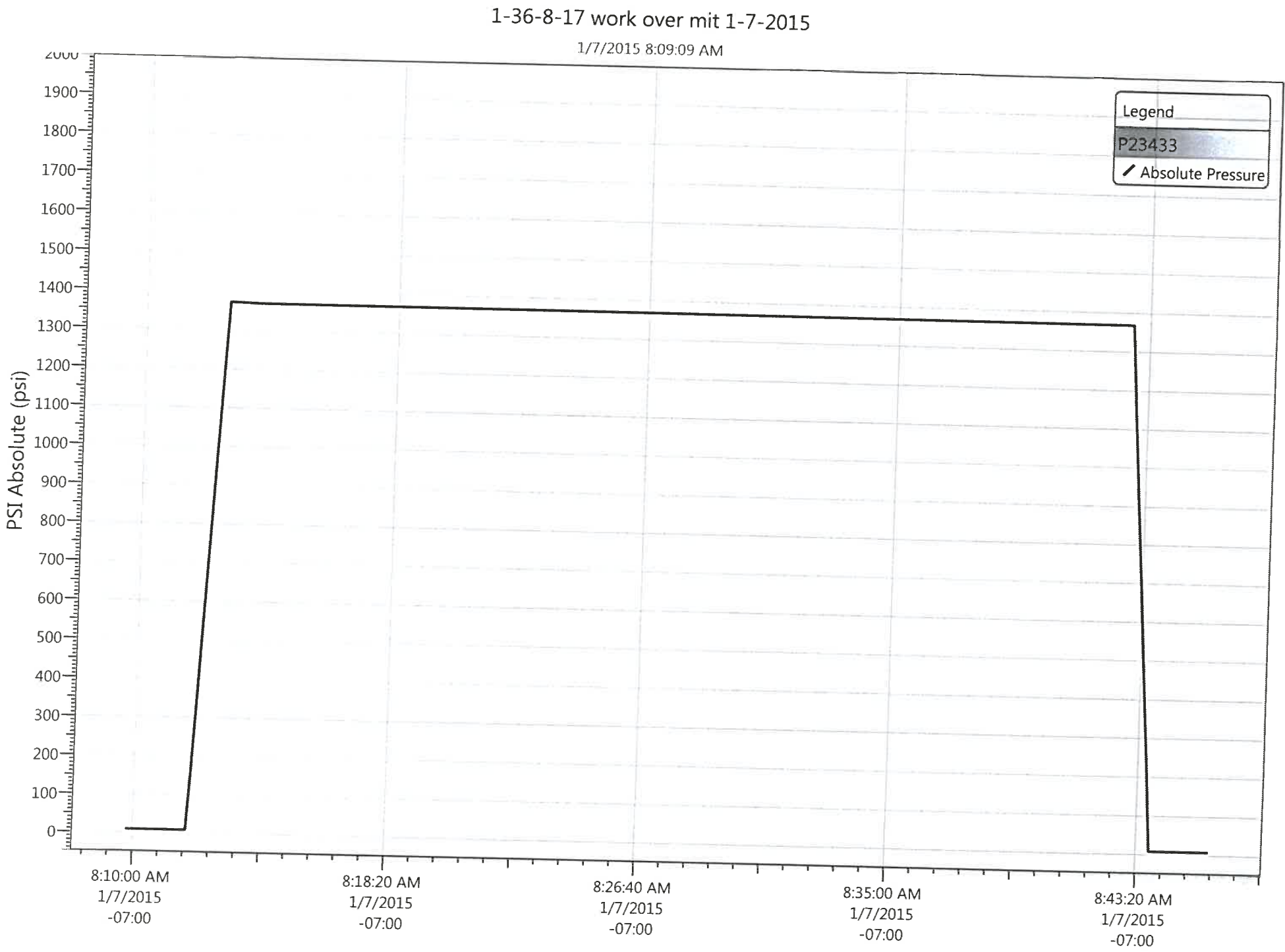
Does the annulus pressure build back up after the test? ☐ Yes ☐ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_





## NEWFIELD

## Schematic

Well Name: Odekirk 1-36-8-17

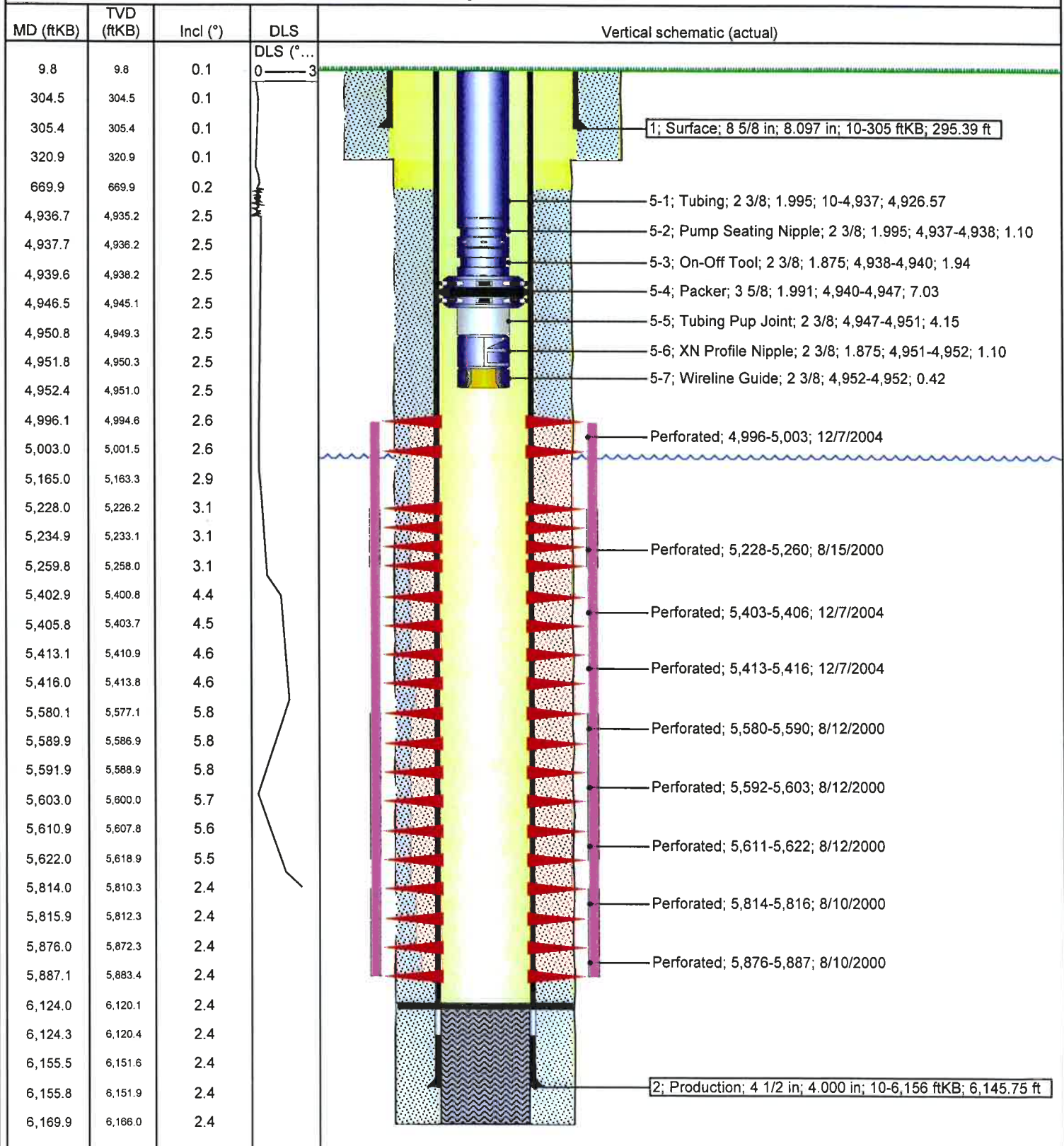
|                                     |                               |                                 |                                     |                                |                              |       |   |                         |                  |
|-------------------------------------|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|-------|---|-------------------------|------------------|
| Surface Legal Location<br>36-8S-17E |                               |                                 |                                     | API/UWI<br>43047331950000      | Well RC<br>500150982         | Lease | State/Province<br>Utah                      | Field Name<br>GMBU CTB9 | County<br>UINTAH |
| Spud Date<br>7/14/2000              | Rig Release Date<br>7/22/2000 | On Production Date<br>8/19/2000 | Original KB Elevation (ft)<br>5,040 | Ground Elevation (ft)<br>5,030 | Total Depth All (TVD) (ftKB) |       | PBD (All) (ftKB)<br>Original Hole - 6,124.0 |                         |                  |

## Most Recent Job

|                              |                                       |                           |                             |                          |
|------------------------------|---------------------------------------|---------------------------|-----------------------------|--------------------------|
| Job Category<br>Recompletion | Primary Job Type<br>Other Stimulation | Secondary Job Type<br>N/A | Job Start Date<br>12/4/2014 | Job End Date<br>1/7/2015 |
|------------------------------|---------------------------------------|---------------------------|-----------------------------|--------------------------|

TD: 6,170.0

Vertical - Original Hole, 1/12/2015 9:02:04 AM





## NEWFIELD

Newfield Wellbore Diagram Data  
Odekirk 1-36-8-17

|                                     |  |                                |  |  |  |
|-------------------------------------|--|--------------------------------|--|--|--|
| Surface Legal Location<br>36-8S-17E |  | API/UWI<br>43047331950000      |  | Lease  |  |
| County<br>UINTAH                    |  | State/Province<br>Utah         |  | Field Name<br>GMBU CTB9                      |  |
| Well Start Date<br>7/14/2000        |  | Spud Date<br>7/14/2000         |  | Final Rig Release Date<br>7/22/2000          |  |
| Original KB Elevation (ft)<br>5,040 |  | Ground Elevation (ft)<br>5,030 |  | On Production Date<br>8/19/2000              |  |
|                                     |  | Total Depth (ftKB)<br>6,170.0  |  | Total Depth All (TVD) (ftKB)                 |  |
|                                     |  |                                |  | PBSD (All) (ftKB)<br>Original Hole - 6,124.0 |  |

## Casing Strings

| Csg Des    | Run Date  | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|-----------|---------|---------|----------------|-------|------------------|
| Surface    | 7/14/2000 | 8 5/8   | 8.097   | 24.00          | J-55  | 305              |
| Production | 7/21/2000 | 4 1/2   | 4.000   | 11.60          | J-55  | 6,156            |

## Cement

## String: Surface, 305ftKB 7/14/2000

|  |  |                          |                              |              |                              |
|--|--|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company<br>BJ Services Company           |  | Top Depth (ftKB)<br>10.0 | Bottom Depth (ftKB)<br>321.0 | Full Return? | Vol Cement Ret (bbl)         |
| Fluid Description<br>2% CaCl + 1/4#/sk Cello-Flake |  | Fluid Type<br>Lead       | Amount (sacks)<br>141        | Class<br>G   | Estimated Top (ftKB)<br>10.0 |
| Fluid Description<br>2% CaCl + 1/4#/sk Cello-Flake |  | Fluid Type<br>Lead       | Amount (sacks)<br>141        | Class<br>G   | Estimated Top (ftKB)<br>10.0 |

## String: Production, 6,156ftKB 7/21/2000

|   |  |                           |                                |                       |                                 |
|---|--|---------------------------|--------------------------------|-----------------------|---------------------------------|
| Cementing Company<br>BJ Services Company  |  | Top Depth (ftKB)<br>670.0 | Bottom Depth (ftKB)<br>6,170.0 | Full Return?          | Vol Cement Ret (bbl)            |
| Fluid Description<br>0.5% S.M.+10% gel+3#/sk CSE+2#/sk kolseal+3%KCL+1/4#/sk C.F. |  | Fluid Type<br>Lead        | Amount (sacks)<br>350          | Class<br>Premilite II | Estimated Top (ftKB)<br>670.0   |
| Fluid Description<br>3% KCL+1/4#/sk C.F.+2% gel+0.3% S.M.                         |  | Fluid Type<br>Tail        | Amount (sacks)<br>550          | Class<br>50/50 POZ    | Estimated Top (ftKB)<br>3,420.0 |

## Tubing Strings

| Tubing Description  |     |         |         |            | Run Date |          | Set Depth (ftKB) |            |
|---------------------|-----|---------|---------|------------|----------|----------|------------------|------------|
| Tubing              |     |         |         |            | 1/6/2015 |          | 4,952.3          |            |
| Item Des            | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade    | Len (ft) | Top (ftKB)       | Btm (ftKB) |
| Tubing              | 152 | 2 3/8   | 1.995   | 4.60       | J-55     | 4,926.57 | 10.0             | 4,936.6    |
| Pump Seating Nipple | 1   | 2 3/8   | 1.995   |            |          | 1.10     | 4,936.6          | 4,937.7    |
| On-Off Tool         | 1   | 2 3/8   | 1.875   |            |          | 1.94     | 4,937.7          | 4,939.6    |
| Packer              | 1   | 3 5/8   | 1.991   |            |          | 7.03     | 4,939.6          | 4,946.6    |
| Tubing Pup Joint    | 1   | 2 3/8   |         |            |          | 4.15     | 4,946.6          | 4,950.8    |
| XN Profile Nipple   | 1   | 2 3/8   | 1.875   |            |          | 1.10     | 4,950.8          | 4,951.9    |
| Wireline Guide      | 1   | 2 3/8   |         |            |          | 0.42     | 4,951.9          | 4,952.3    |

## Rod Strings

| Rod Description |     |         |            | Run Date |          | Set Depth (ftKB) |            |
|-----------------|-----|---------|------------|----------|----------|------------------|------------|
| Item Des        | Jts | OD (in) | Wt (lb/ft) | Grade    | Len (ft) | Top (ftKB)       | Btm (ftKB) |

## Perforation Intervals

| Stage# | Zone                | Top (ftKB) | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (*) | Nom Hole Dia (in) | Date      |
|--------|---------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 4      | D2, Original Hole   | 4,996      | 5,003      | 4                    |             |                   | 12/7/2004 |
| 3      | B, Original Hole    | 5,228      | 5,260      | 4                    |             |                   | 8/15/2000 |
| 4      | A1, Original Hole   | 5,403      | 5,406      | 4                    |             |                   | 12/7/2004 |
| 4      | A1, Original Hole   | 5,413      | 5,416      | 4                    |             |                   | 12/7/2004 |
| 2      | LODC, Original Hole | 5,580      | 5,590      | 4                    |             |                   | 8/12/2000 |
| 2      | LODC, Original Hole | 5,592      | 5,603      | 4                    |             |                   | 8/12/2000 |
| 2      | LODC, Original Hole | 5,611      | 5,622      | 4                    |             |                   | 8/12/2000 |
| 1      | CP, Original Hole   | 5,814      | 5,816      | 4                    |             |                   | 8/10/2000 |
| 1      | CP, Original Hole   | 5,876      | 5,887      | 4                    |             |                   | 8/10/2000 |

## Stimulations &amp; Treatments

| Stage# | ISIP (psi) | Frac Gradient (psi/ft) | Max Rate (bbl/min) | Max PSI (psi) | Total Clean Vol (bbl) | Total Slurry Vol (bbl) | Vol Recov (bbl) |
|--------|------------|------------------------|--------------------|---------------|-----------------------|------------------------|-----------------|
| 1      | 2,900      |                        | 32.0               | 3,711         |                       |                        |                 |
| 2      | 2,408      |                        | 35.5               | 2,550         |                       |                        |                 |
| 3      | 1,160      |                        | 31.7               | 1,842         |                       |                        |                 |
| 4      |            |                        |                    |               |                       |                        |                 |
| 5      |            |                        |                    |               |                       |                        |                 |
| 6      |            |                        |                    |               |                       |                        |                 |

## Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount       |
|--------|----------------------------|------------------------|
| 1      |                            | Proppant Sand 78560 lb |

**NEWFIELD****Newfield Wellbore Diagram Data  
Odekirk 1-36-8-17**

| Proppant |                            |                         |
|----------|----------------------------|-------------------------|
| Stage#   | Total Prop Vol Pumped (lb) | Total Add Amount        |
| 2        |                            | Proppant Sand 100781 lb |
| 3        |                            | Proppant Sand 94994 lb  |
| 4        |                            |                         |
| 5        |                            |                         |
| 6        |                            |                         |

**NEWFIELD****Job Detail Summary Report****Well Name: Odekirk 1-36-8-17****Jobs**

|                   |                |              |
|-------------------|----------------|--------------|
| Primary Job Type  | Job Start Date | Job End Date |
| Other Stimulation | 12/4/2014      | 1/7/2015     |

**Daily Operations**

| Report Start Date | Report End Date | 24hr Activity Summary  |
|-------------------|-----------------|--|
| 12/4/2014         | 12/4/2014       | MIRU   |
| Start Time        | End Time        | Comment  |
| 10:00             | 11:00           | Load out & move from MON BUTTE FED 8-34 To Odekirk springs 1-36  |
| 11:00             | 12:00           | Wait on INJ Building to get moved  |
| 12:00             | 15:30           | MIRU Same  |
| 15:30             | 16:30           | Flow back well waiting on pit to be dug Flowed back 80 BLLS, CWI @ 3:30  |
| Report Start Date | Report End Date | 24hr Activity Summary  |
| 12/8/2014         | 12/8/2014       | WAIT ON PIT TO BE DUG, TOO H TBG   |
| Start Time        | End Time        | Comment  |
| 06:00             | 07:00           | Crew Travel  |
| 07:00             | 12:00           | Wait on Pit to Be Dug  |
| 12:00             | 13:30           | ND Wellhead, Strip on 5000# BOPS, RU Floor & TBG Works, REL 4 1/2" Arrowset-1 PKR, Flush TBG W/ 50 BBLs H2O  |
| 13:30             | 15:00           | TOOH W/ 152 JTS 2 3/8" TBG, LD 4 1/2" Arrowset-1 PKR& PSN  |
| 15:00             | 17:00           | PU & TIH W/ 4 1/2" Bit & Scraper, PSN & 152 JTS 2 3/8" TBG, EOT @ 4938' CWI @ 5:00   |
| 17:00             | 18:00           | Crew Travel  |
| Report Start Date | Report End Date | 24hr Activity Summary  |
| 12/9/2014         | 12/9/2014       | CONT ROUND TRIPPING BIT & SCRAPER, TIH W/ RBP  |
| Start Time        | End Time        | Comment  |
| 06:00             | 07:00           | Crew Travel & Safety MTG   |
| 07:00             | 08:00           | Thaw well, PU 28 JTS 2 3/8" TBG, Tag fill @ 5826', 298' of fill  |
| 08:00             | 10:00           | Wait on Rig & DRLG EQUIP   |
| 10:00             | 10:45           | RU Pump & Lines, RU DRLG EQUIP   |
| 10:45             | 12:00           | Tag fill & 5826' C/O To PBTD @ 6124' CIRC Well clean   |
| 12:00             | 15:00           | RD DRLG EQUIP, LD 26 JTS 2 3/8" TBG, Drop SV, Pump 25 BBLs H2O Down TBG, Never caught Press, Try pushing SV W/ Sandline, Stacked out @ 1000', Flush TBG W/ 20 BBLs H2O TBG PRESS Up, Test TBG To 3000 PSI-OK, RIH W/ Sandline RET SV, POOH & Rack out sandline |
| 15:00             | 16:30           | TOOH W/ 164 JTS 2 3/8" TBG, LD PSN & 4 1/2" Bit & Scraper, CWI   |
| 16:30             | 17:30           | Crew Travel  |
| Report Start Date | Report End Date | 24hr Activity Summary  |
| 12/10/2014        | 12/10/2014      | TIH W/ RBP & PKR   |

## NEWFIELD



## Job Detail Summary Report

Well Name: Odekirk 1-36-8-17

|                                 |                               |   |       |   |
|---------------------------------|-------------------------------|---|-------|---|
|                                 |                               |   |       |   |
| Start Time                      | 06:00                         | End Time  | 07:00 | Comment<br>Crew Travel & Safety MTG   |
| Start Time                      | 07:00                         | End Time  | 09:30 | Comment<br>PU & TIH W/ 4 1/2" RBP, RH, 4' 2 3/8" TBG SUB, 4 1/2" PKR, PSN & 164 JTS 2 3/8" TBG, Set 4 1/2" RBP @ 5322' & PKR @ 5288', Test tools to 3000 PSI For 15 MIN-Good test, REL PKR LD 4 JTS   |
| Start Time                      | 09:30                         | End Time  | 11:30 | Comment<br>RD Floor & TBG Works, Strip off 5000# BOPS, Set 4 1/2" PKR W/ 15K Compression @ 5165' Land TBG On wellhead, NU Wellhead, PU LOC RDMO   |
| Report Start Date<br>12/21/2014 | Report End Date<br>12/23/2014 | 24hr Activity Summary<br>Polymer Treatment<br>Treatment pumped continuously |       |   |
| Start Time                      | 07:00                         | End Time  | 11:00 | Comment<br>We injected 550 barrels of 8000 ppm gel and followed the polymer injection with a 200 barrel water flush. We've injected a total of 1504 barrels of gelant that has consisted of 504 bbls @ 5000 ppm, 135 bbls @ 3500 ppm, 315 bbls @ 5000 ppm, and 550 bbls @ 8000 ppm polymer concentration. The WHP reached a max of 2050 psi and fell to 2025 psi by the end of the water flush. We performed a 30 minute fall off test and saw the pressure fall to 1825 psi. |
| Report Start Date<br>1/5/2015   | Report End Date<br>1/5/2015   | 24hr Activity Summary<br>MIRU   |       |   |
| Start Time                      | 06:00                         | End Time  | 07:00 | Comment<br>CREW TRAVEL & SAFETY MTG   |
| Start Time                      | 07:00                         | End Time  | 12:30 | Comment<br>RDMO FROM 10-3-9-16 TO 1-36-8-17 WAIT ON INJ SHED TO BE MOVED START TO FLOW WELL BACK  |
| Start Time                      | 12:30                         | End Time  | 16:00 | Comment<br>RU X-OVER TO 2 3/8 TBG EQUIP ND WELL HEAD RELEASE PKR NU BOPS PU & TIH IN HOLE TO RBP @5322 RELEASE RBP PUMP 40 BBLS DOWN TBG LD 12 JTS TBG CONT TOOH W/TOTAL 152 JTS LD PLUG & PKR  |
| Start Time                      | 16:00                         | End Time  | 17:00 | Comment<br>PU & TIH W/BHA & TBG AS FOLLOWS WIRE LINE RE-ENTRY TOOL, XN NIPPLE 4' X 2 3/8 PUP JT, 4 1/2 AS1 PKR ON OFF TOOL, PSN & 40 JTS 2 3/8 TBG  |
| Start Time                      | 17:00                         | End Time  | 18:00 | Comment<br>CREW TRAVEL  |
| Report Start Date<br>1/6/2015   | Report End Date<br>1/6/2015   | 24hr Activity Summary<br>CONT TIH W/ BHA                                    |       |   |
| Start Time                      | 06:00                         | End Time  | 07:00 | Comment<br>CREW TRAVEL & SAFETY MTG   |
| Start Time                      | 07:00                         | End Time  | 09:30 | Comment<br>THAW OUT WELL HEAD PUMP 20 BBLS DOWN TBG CONNT TIH W/BHA & TBG AS FOLLOWS WIRE LINE RE-ENTRY TOOL, XN NIPPLE NIPPLE, 2 3/8 PUP JT, AS-1 PKR 4 1/2, ON OFF TOOL, 2 3/8 PSN & TOTAL OF 152 JTS 2 3/8 TBG   |
| Start Time                      | 09:30                         | End Time  | 12:00 | Comment<br>PUMP 10 BBL PAD DROP SV PRESS UP TBG TO 3000 PSI W/14 BBLS GET GOOD TEST @12:00  |
| Start Time                      | 12:00                         | End Time  | 15:00 | Comment<br>BLEED DOWN WELL RU SL FISH SV ND BOPS LAND TBG W/ B-1 ADAPTOR FLANGE PUMP 50 BBLS FRESH WATER & PKR FLUID SET PKR W/ 15000 TENSION LAND TBG W/ B-1 ADAPTOR FLANGE NU WELL HEAD W/PSN @4936.57 PKR CE @4943.22, EOT @4952.31,   |
| Start Time                      | 15:00                         | End Time  | 17:00 | Comment<br>PRESS UP CSG TO 1400 CLEAN RIG & EQUIPT CHK PRESS @ 5:00 1410  |
| Start Time                      | 17:00                         | End Time  | 18:00 | Comment<br>CREW TRAVEL  |

**Job Detail Summary Report****Well Name: Odekirk 1-36-8-17****Daily Operations**

|                               |                             |   |
|-------------------------------|-----------------------------|---|
| Report Start Date<br>1/7/2015 | Report End Date<br>1/7/2015 | 24hr Activity Summary<br>Conduct MIT  |
| Start Time<br>08:15           | End Time<br>08:45           | Comment<br>Workover MIT performed on the above listed well. On 01/07/2015 the csg was pressured up to 1369 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 345 psig during the test. There was not an EPA representative available to witness the test.<br>EPA #UT22197-04613 |





**CROSS-LINKED POLYMER GEL  
WATER REDISTRIBUTION TREATMENT  
JOB LOG AND SUMMARY PREPARED FOR**



**MONUMENT BUTTE FIELD  
WELL NO. 1-36-8-17  
DUCHESNE COUNTY, UTAH**

**December 24, 2014**



## BULK POLYMER GEL TREATMENT

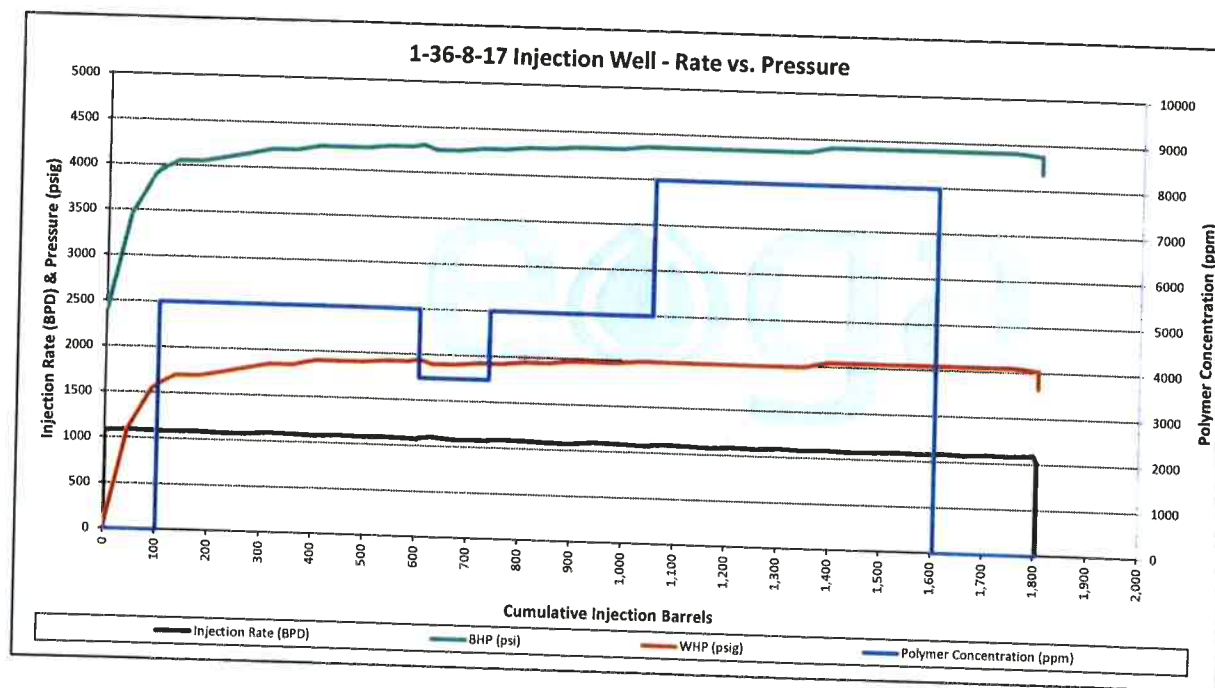
### Morning Progress Report

Company Name: Newfield Exploration  
 Field Name: Monument Butte  
 Well Name: 1-36-8-17

Location: Duchesne Co., UT  
 Date: 12/24/2014  
 Est. Cum. Cost: \$27,000

The following is the most recent information available for the bulk polymer gel treatment that is in progress at the above captioned well.

| Stage No. | Begin Date | Begin Time | End Date   | End Time | Polymer |      | Cross-linker |      | Gel Bbls. | WHP (psi) |      | BHP (psi) |      | Rate (BPM) |      | Comments          |
|-----------|------------|------------|------------|----------|---------|------|--------------|------|-----------|-----------|------|-----------|------|------------|------|-------------------|
|           |            |            |            |          | Ppm     | Lbs. | Ratio        | Lbs. |           | Begin     | End  | Begin     | End  | Begin      | End  |                   |
| 1         | 12/21/2014 | 7:03 PM    | 12/20/2014 | 9:16 PM  | 0       | 0    |              | 0    | 0         | 50        | 1600 | 3958      | 3892 | 0.75       | 0.75 | 100 barrels water |
| 2         | 12/21/2014 | 9:16 PM    | 12/22/2014 | 8:28 AM  | 5000    | 881  | 40           | 192  | 504       | 1600      | 1950 | 3958      | 4308 | 0.75       | 0.75 |                   |
| 3         | 12/22/2014 | 8:28 AM    | 12/22/2014 | 11:28 AM | 3500    | 165  | 40           | 36   | 135       | 1950      | 1925 | 4308      | 4283 | 0.75       | 0.75 |                   |
| 4         | 12/22/2014 | 11:28 AM   | 12/22/2014 | 6:28 PM  | 5000    | 551  | 40           | 120  | 315       | 1925      | 2000 | 4283      | 4358 | 0.75       | 0.75 |                   |
| 5         | 12/22/2014 | 6:28 PM    | 12/23/2014 | 6:41 AM  | 8000    | 1538 | 40           | 334  | 550       | 2000      | 2050 | 4358      | 4408 | 0.75       | 0.75 |                   |
| 6         | 12/23/2014 | 6:41 AM    | 12/23/2014 | 11:08 AM | 0       | 0    |              | 0    | 0         | 2050      | 2025 | 4408      | 4383 | 0.75       | 0.75 |                   |
| Totals    |            |            |            |          |         | 3135 |              | 682  | 1504      |           |      |           |      |            |      | 200 barrels water |





Project Engineer - Jay Portwood  
P.O. Box 2230 Keller, TX 76244-2230  
817-431-6336 (off) 817-431-6337 (fax)  
817-312-1093 (cell)

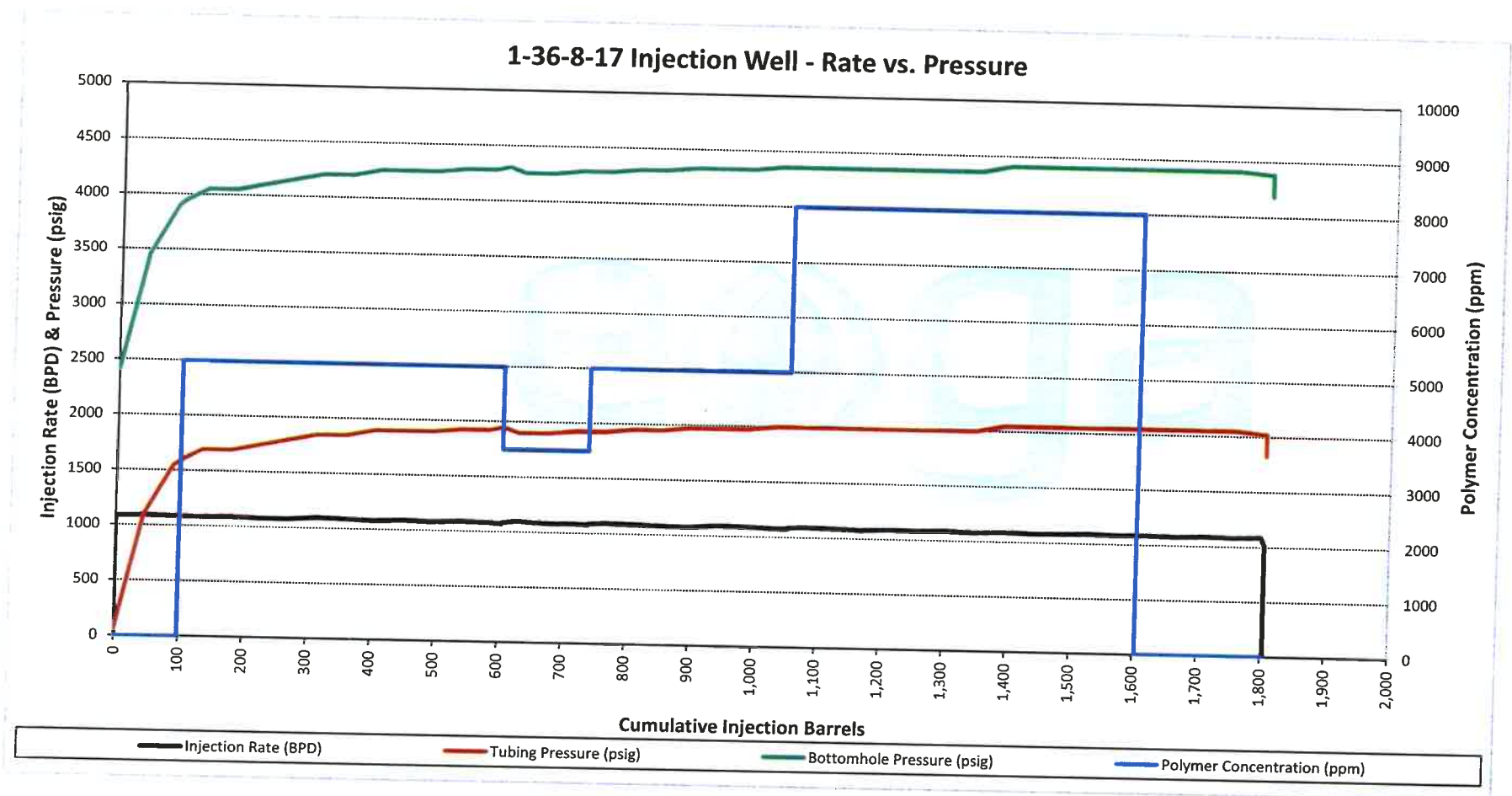
Company Name: Newfield Exploration  
Field Name: Monument Butte  
Well Name: 1-36-S-17  
Injector or Producer: Injector  
County/State: Duchesne/Utah  
Polymer Unit No.: 1  
Polymer Unit Operators: Paul Larson (day) 785-346-6281 / Vance Garner (night) 785-346-8070  
Generator Used (Yes/No): Yes  
Customer Contact: Garrett Worrell 303-382-4492 (off) 435-401-1319 (cell)

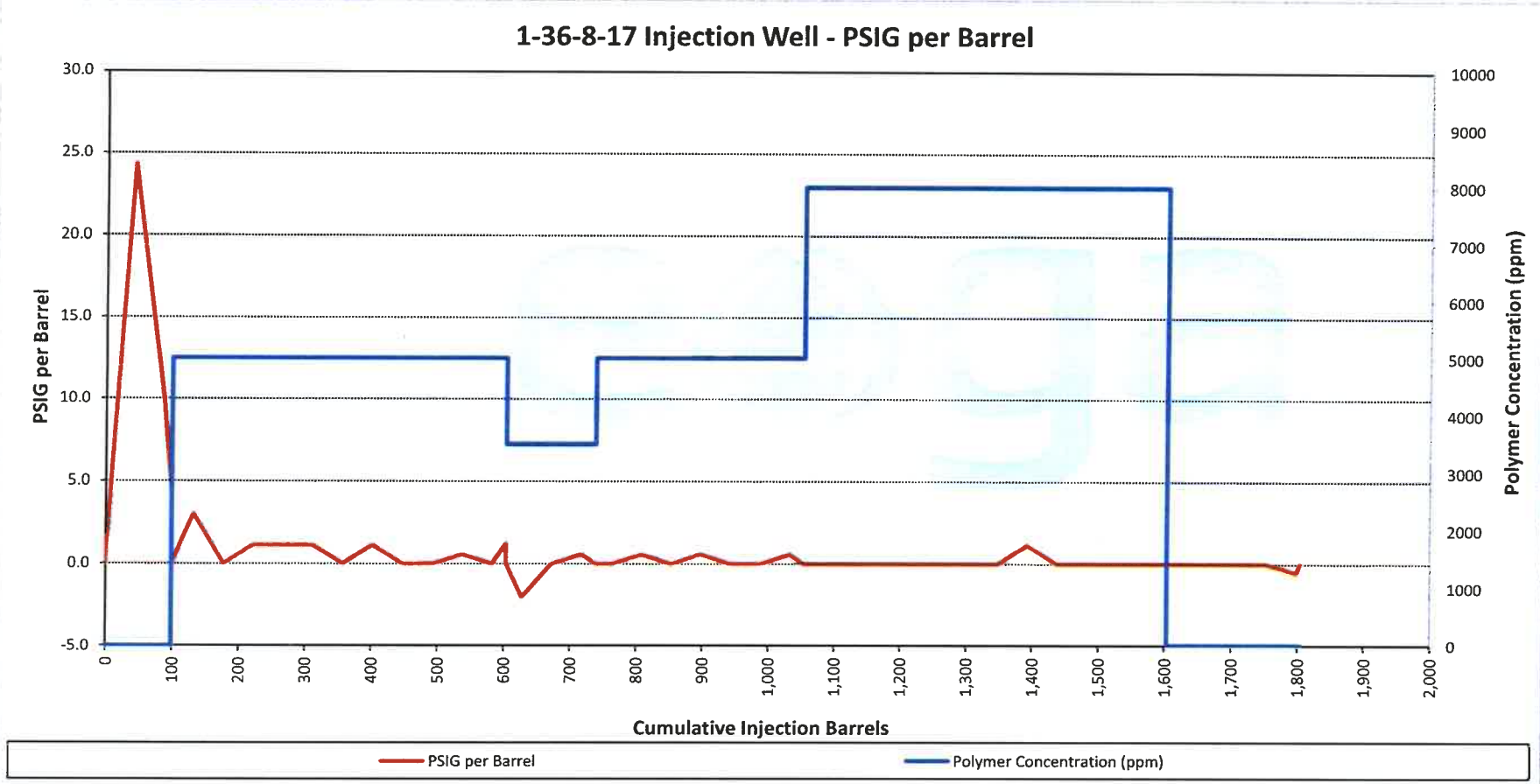
## PROJECT INFORMATION

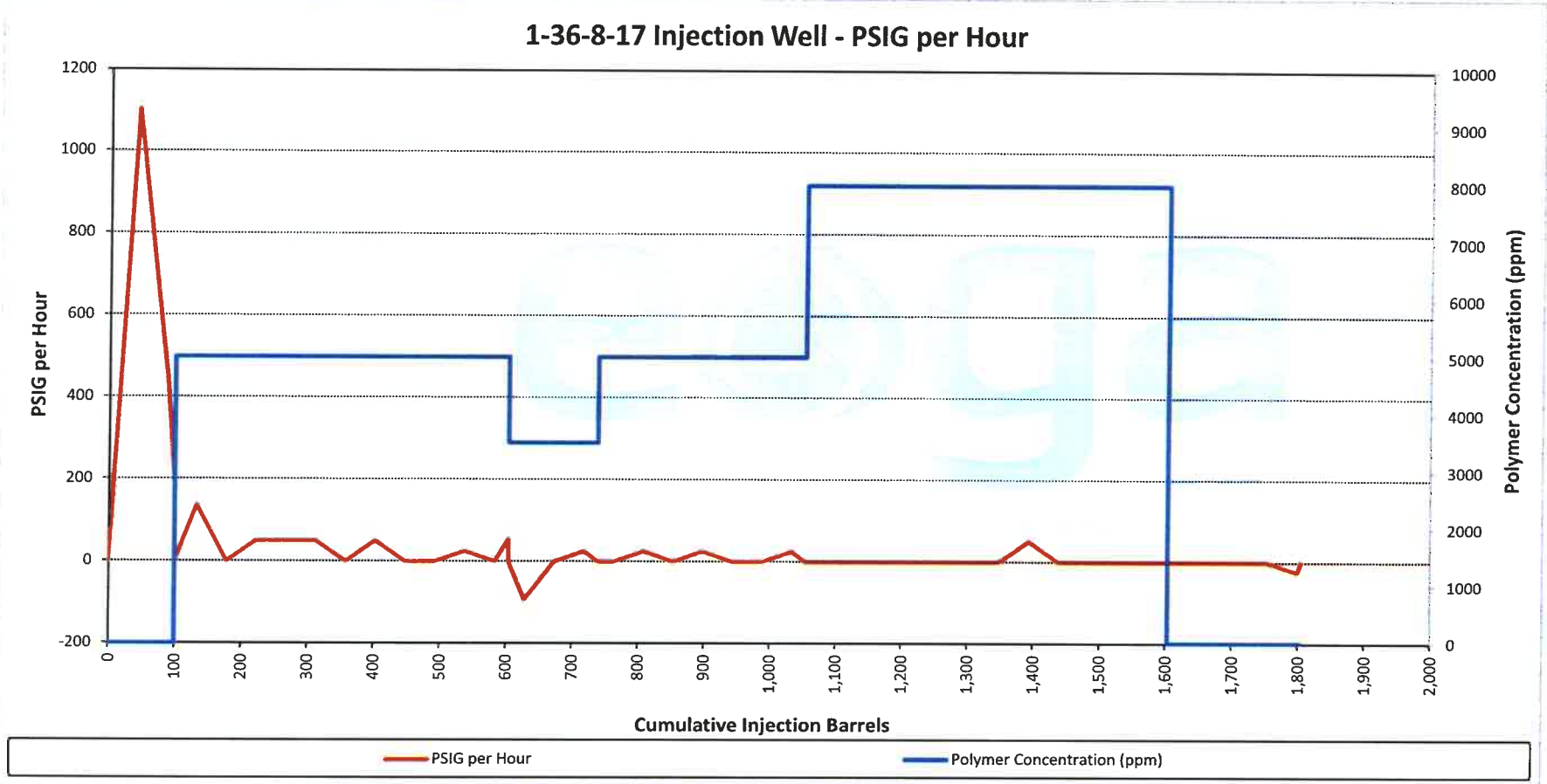
|  |          |                                |            |
|--|----------|--------------------------------|------------|
| MD to Top Perforation (ft.):               | 4996     | EOT (ft.):                     | 4974       |
| MD to Btm Perforation (ft.):               | 5887     | Packer (ft.):                  | 4970       |
| MD to Mid-Perf (ft.):                      | 5442     | Tbg Size:                      | 2.875"     |
| BHP Tool Depth (ft.):                      | NA       | Tbg. Cap. (bbls./ft.):         | 0.00538    |
| Type Mix Water Used:                       | Produced | Tbg. Vol. (bbls.):             | 26.76      |
| Mix Water Specific Gravity:                | 1.09     | Csg Size:                      | 4.5" 11.6# |
| Mix Water Pressure Gradient (psi per ft.): | 0.472    | Csg. Cap. (bbls./ft.):         | 0.0238     |
| Expected Positive WHP @ BHP of:            | 8VALUE1  | Csg Vol. bbls. (Plr. to Plug): | 21.7294    |
| Calculated Static BHP (psig):              | 2400 est | Total Well Vol. (bbls.):       | 48.48      |

| 21-12-14 12:15 (LH) |          |                                       |                |      |                              |                            |                        |                       |                        |                       |                                      |                         |                                | Calculated Static BHP (psig):                               |                                  |                             |                          | 2400 est                  |                           | Total Well Vol. (bbls.):   |                            | 21.7594                |  |
|---------------------|----------|---------------------------------------|----------------|------|------------------------------|----------------------------|------------------------|-----------------------|------------------------|-----------------------|--------------------------------------|-------------------------|--------------------------------|---|----------------------------------|-----------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|------------------------|--|
|                     |          |                                       |                |      |                              |                            |                        |                       |                        |                       |                                      |                         |                                | 48.49   |                                  |                             |                          |                           |                           |                            |                            |                        |  |
| Date                | Time     | Elapsed Time Between Readings (Mins.) | Injection Rate |      | Total Cum. Injection (bbls.) | Stage Cum. Injection Bbls. | Tubing Pressure (psig) | PSIG per Bbl Injected | PSIG per Hour Injected | Bottomhole Conditions |                                      | Hall Plot Cum. psi-time | Injectivity Ratio (Psi ÷ Rate) | Injectivity Index BPD/(Calc. BHP-Static BHP) (BPD per psig) | Pressure Gradient (psig per ft.) | Polymer Concentration (ppm) | Cross-linker Ratio (x:1) | Total Cum. Polymer (lbs.) | Stage Cum. Polymer (lbs.) | Total Cum. X-linker (lbs.) | Stage Cum. X-linker (lbs.) | Casing Pressure (psig) | Comments                                       |
|                     |          |                                       | BPD            | BPM  |                              |                            |                        |                       |                        | Actual Reading (psig) | Calculated to Top Perforation (psig) |                         |                                |   |                                  |                             |                          |                           |                           |                            |                            |                        |  |
| 21-Dec-14           | 7:00 PM  | 0                                     | 0              | 0.00 | 0                            | 0                          | 50                     |                       |                        | NA                    | 2408                                 | 0                       | 0                              | 0.00  |                                  |                             |                          |                           |                           |                            |                            |                        |  |
| 21-Dec-14           | 7:03 PM  | 0:03                                  | 1080           | 0.75 | 0                            | 0                          | 50                     | 0.000                 | 0.00                   | NA                    | 2408                                 | 150                     | 0                              | 0   | 0.64                             | 0                           |                          | 0                         | 0                         | 0                          | 0                          | 600                    | Static Pressure                                |
| 21-Dec-14           | 8:00 PM  | 0:57                                  | 1089           | 0.76 | 43                           | 43                         | 1100                   | 24.362                | 1105.26                | NA                    | 3458                                 | 62850                   | 1.01                           | 100   | 0.72                             | 0                           | 0                        | 0                         | 0                         | 0                          | 0                          | 600                    | Begin water pre-flush                          |
| 21-Dec-14           | 9:00 PM  | 1:00                                  | 1085           | 0.75 | 88                           | 88                         | 1550                   | 9.956                 | 450.00                 | NA                    | 3908                                 | 155850                  | 1.43                           | 550   | 0.72                             | 0                           | 0                        | 0                         | 0                         | 0                          | 0                          | 0                      |  |
| 21-Dec-14           | 9:16 PM  | 0:16                                  | 1080           | 0.75 | 100                          | 100                        | 1600                   | 4.274                 | 187.50                 | NA                    | 3958                                 | 181450                  | 1.48                           | 600   | 0.69                             | 0.73                        | 0                        | 0                         | 0                         | 0                          | 0                          | 0                      |  |
| 21-Dec-14           | 9:16 PM  | 0:00                                  | 1080           | 0.75 | 200                          | 0                          | 1400                   | 0.000                 | 0.00                   | NA                    | 3758                                 | 381450                  | 1.48                           | 600   | 0.69                             | 0.73                        | 0                        | 0                         | 0                         | 0                          | 0                          | 0                      |  |
| 21-Dec-14           | 10:00 PM | 0:44                                  | 1080           | 0.75 | 133                          | 33                         | 1700                   | 3.012                 | 136.36                 | NA                    | 4058                                 | 256250                  | 1.57                           | 700   | 0.65                             | 0.74                        | 5000                     | 40                        | 0                         | 0                          | 0                          | 0                      | Begin Stage #1 @ 5000 ppm polymer gel solution |
| 21-Dec-14           | 11:00 PM | 1:00                                  | 1085           | 0.75 | 178                          | 78                         | 1700                   | 0.000                 | 0.00                   | NA                    | 4058                                 | 358250                  | 1.57                           | 700   | 0.65                             | 0.75                        | 5000                     | 40                        | 58                        | 58                         | 13                         | 13                     | 0  |
| 22-Dec-14           | 12:00 AM | 1:00                                  | 1073           | 0.74 | 223                          | 123                        | 1750                   | 1.119                 | 50.00                  | NA                    | 4108                                 | 463250                  | 1.63                           | 750   | 0.63                             | 0.75                        | 5000                     | 40                        | 137                       | 137                        | 30                         | 30                     | 0  |
| 22-Dec-14           | 1:00 AM  | 1:00                                  | 1073           | 0.74 | 268                          | 168                        | 1800                   | 1.119                 | 50.00                  | NA                    | 4158                                 | 571250                  | 1.68                           | 800   | 0.61                             | 0.75                        | 5000                     | 40                        | 215                       | 215                        | 47                         | 47                     | 0  |
| 22-Dec-14           | 2:00 AM  | 1:00                                  | 1090           | 0.76 | 313                          | 213                        | 1850                   | 1.101                 | 50.00                  | NA                    | 4208                                 | 682250                  | 1.70                           | 850   | 0.60                             | 0.76                        | 5000                     | 40                        | 293                       | 293                        | 64                         | 64                     | 0  |
| 22-Dec-14           | 3:00 AM  | 1:00                                  | 1084           | 0.75 | 358                          | 258                        | 1850                   | 0.000                 | 0.00                   | NA                    | 4208                                 | 793250                  | 1.71                           | 850   | 0.60                             | 0.77                        | 5000                     | 40                        | 373                       | 373                        | 81                         | 81                     | 0  |
| 22-Dec-14           | 4:00 AM  | 1:00                                  | 1074           | 0.75 | 403                          | 303                        | 1900                   | 1.117                 | 50.00                  | NA                    | 4258                                 | 907250                  | 1.77                           | 900   | 0.58                             | 0.77                        | 5000                     | 40                        | 452                       | 452                        | 98                         | 98                     | 0  |
| 22-Dec-14           | 5:00 AM  | 1:00                                  | 1084           | 0.75 | 448                          | 348                        | 1900                   | 0.000                 | 0.00                   | NA                    | 4258                                 | 1021250                 | 1.75                           | 900   | 0.58                             | 0.78                        | 5000                     | 40                        | 530                       | 530                        | 115                        | 115                    | 0  |
| 22-Dec-14           | 6:00 AM  | 1:00                                  | 1076           | 0.75 | 493                          | 393                        | 1900                   | 0.000                 | 0.00                   | NA                    | 4258                                 | 1135250                 | 1.77                           | 900   | 0.58                             | 0.78                        | 5000                     | 40                        | 609                       | 609                        | 132                        | 132                    | 0  |
| 22-Dec-14           | 7:00 AM  | 1:00                                  | 1085           | 0.75 | 538                          | 438                        | 1925                   | 0.553                 | 25.00                  | NA                    | 4283                                 | 1250750                 | 1.77                           | 925   | 0.58                             | 0.79                        | 5000                     | 40                        | 687                       | 687                        | 149                        | 149                    | 0  |
| 22-Dec-14           | 8:00 AM  | 1:00                                  | 1078           | 0.75 | 583                          | 483                        | 1925                   | 0.000                 | 0.00                   | NA                    | 4283                                 | 1366250                 | 1.79                           | 925   | 0.58                             | 0.79                        | 5000                     | 40                        | 766                       | 766                        | 167                        | 167                    | 0  |
| 22-Dec-14           | 8:28 AM  | 0:28                                  | 1070           | 0.74 | 604                          | 504                        | 1950                   | 1.202                 | 53.57                  | NA                    | 4308                                 | 1420850                 | 1.82                           | 950   | 0.57                             | 0.79                        | 5000                     | 40                        | 845                       | 845                        | 184                        | 184                    | 0  |
| 22-Dec-14           | 8:28 AM  | 0:00                                  | 1080           | 0.75 | 604                          | 0                          | 1950                   | 0.000                 | 0.00                   | NA                    | 4308                                 | 1420850                 | 1.82                           | 950   | 0.57                             | 0.79                        | 5000                     | 40                        | 881                       | 881                        | 192                        | 192                    | 0  |
| 22-Dec-14           | 9:00 AM  | 0:32                                  | 1098           | 0.76 | 528                          | 24                         | 1900                   | -2.049                | -93.75                 | NA                    | 4258                                 | 1481650                 | 1.73                           | 900   | 0.59                             | 0.79                        | 3500                     | 40                        | 861                       | 0                          | 192                        | 0                      | End Stage #1 @ 5000 ppm                        |
| 22-Dec-14           | 10:00 AM | 1:00                                  | 1075           | 0.75 | 673                          | 69                         | 1900                   | 0.000                 | 0.00                   | NA                    | 4258                                 | 1596650                 | 1.77                           | 900   | 0.58                             | 0.78                        | 3500                     | 40                        | 966                       | 85                         | 210                        | 18                     | Begin Stage #2 @ 3500 ppm                      |
| 22-Dec-14           | 11:00 AM | 1:00                                  | 1078           | 0.75 | 718                          | 114                        | 1925                   | 0.557                 | 25.00                  | NA                    | 4283                                 | 1711150                 | 1.79                           | 925   | 0.57                             | 0.79                        | 3500                     | 40                        | 1021                      | 140                        | 222                        | 30                     | 0  |
| 22-Dec-14           | 11:28 AM | 0:28                                  | 1075           | 0.75 | 739                          | 135                        | 1925                   | 0.000                 | 0.00                   | NA                    | 4283                                 | 1765050                 | 1.79                           | 925   | 0.57                             | 0.79                        | 3500                     | 40                        | 1046                      | 165                        | 227                        | 35                     | 0  |
| 22-Dec-14           | 11:28 AM | 0:00                                  | 1080           | 0.75 | 739                          | 0                          | 1925                   | 0.000                 | 0.00                   | NA                    | 4283                                 | 1765050                 | 1.79                           | 925   | 0.57                             | 0.79                        | 3500                     | 40                        | 1046                      | 0                          | 227                        | 0                      | Begin Stage #3 @ 5000 ppm                      |
| 22-Dec-14           | 12:00 PM | 0:32                                  | 1089           | 0.76 | 763                          | 24                         | 1925                   | 0.000                 | 0.00                   | NA                    | 4283                                 | 1826650                 | 1.77                           | 925   | 0.58                             | 0.79                        | 5000                     | 40                        | 1089                      | 43                         | 237                        | 10                     | 0  |
| 22-Dec-14           | 1:00 PM  | 1:00                                  | 1085           | 0.75 | 808                          | 69                         | 1950                   | 0.553                 | 25.00                  | NA                    | 4308                                 | 1943650                 | 1.80                           | 950   | 0.57                             | 0.79                        | 5000                     | 40                        | 1168                      | 122                        | 254                        | 27                     | 0  |
| 22-Dec-14           | 2:00 PM  | 1:00                                  | 1075           | 0.75 | 853                          | 114                        | 1950                   | 0.000                 | 0.00                   | NA                    | 4308                                 | 2060650                 | 1.81                           | 950   | 0.56                             | 0.79                        | 5000                     | 40                        | 1246                      | 200                        | 271                        | 44                     | 0  |
| 22-Dec-14           | 3:00 PM  | 1:00                                  | 1070           | 0.74 | 898                          | 159                        | 1975                   | 0.561                 | 25.00                  | NA                    | 4333                                 | 2179150                 | 1.85                           | 975   | 0.55                             | 0.80                        | 5000                     | 40                        | 1324                      | 278                        | 288                        | 61                     | 0  |
| 22-Dec-14           | 4:00 PM  | 1:00                                  | 1090           | 0.76 | 943                          | 204                        | 1975                   | 0.000                 | 0.00                   | NA                    | 4333                                 | 2297650                 | 1.81                           | 975   | 0.56                             | 0.80                        | 5000                     | 40                        | 1403                      | 357                        | 305                        | 78                     | 0  |
| 22-Dec-14           | 5:00 PM  | 1:00                                  | 1084           | 0.75 | 988                          | 249                        | 1975                   | 0.000                 | 0.00                   | NA                    | 4333                                 | 2416150                 | 1.82                           | 975   | 0.56                             | 0.80                        | 5000                     | 40                        | 1482                      | 436                        | 322                        | 95                     | 0  |
| 22-Dec-14           | 6:00 PM  | 1:00                                  | 1074           | 0.75 | 1033                         | 294                        | 2000                   | 0.559                 | 25.00                  | NA                    | 4358                                 | 2536150                 | 1.86                           | 1000  | 0.55                             | 0.80                        | 5000                     | 40                        | 1560                      | 514                        | 339                        | 112                    | 0  |
| 22-Dec-14           | 6:28 PM  | 0:28                                  | 1075           | 0.75 | 1054                         | 315                        | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 2592150                 | 1.86                           | 1000  | 0.55                             | 0.80                        | 5000                     | 40                        | 1597                      | 551                        | 347                        | 120                    | 0  |
| 22-Dec-14           | 6:28 PM  | 0:00                                  | 1080           | 0.75 | 1054                         | 0                          | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 2592150                 | 1.86                           | 1000  | 0.55                             | 0.80                        | 5000                     | 40                        | 1597                      | 0                          | 347                        | 120                    | 0  |
| 22-Dec-14           | 7:00 PM  | 0:32                                  | 1089           | 0.76 | 1078                         | 24                         | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 2656150                 | 1.84                           | 1000  | 0.56                             | 0.80                        | 8000                     | 40                        | 1597                      | 0                          | 347                        | 120                    | 0  |
| 22-Dec-14           | 8:00 PM  | 1:00                                  | 1084           | 0.75 | 1123                         | 69                         | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 2776150                 | 1.85                           | 1000  | 0.55                             | 0.80                        | 8000                     | 40                        | 1665                      | 68                         | 362                        | 15                     | 0  |
| 22-Dec-14           | 9:00 PM  | 1:00                                  | 1074           | 0.75 | 1168                         | 114                        | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 2896150                 | 1.86                           | 1000  | 0.55                             | 0.80                        | 8000                     | 40                        | 1791                      | 194                        | 389                        | 42                     | 0  |
| 22-Dec-14           | 10:00 PM | 1:00                                  | 1082           | 0.75 | 1213                         | 159                        | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 3016150                 | 1.85                           | 1000  | 0.55                             | 0.80                        | 8000                     | 40                        | 1916                      | 319                        | 417                        | 70                     | 0  |
| 22-Dec-14           | 11:00 PM | 1:00                                  | 1078           | 0.75 | 1258                         | 204                        | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 3136150                 | 1.85                           | 1000  | 0.55                             | 0.80                        | 8000                     | 40                        | 2042                      | 445                        | 444                        | 97                     | 0  |
| 23-Dec-14           | 12:00 AM | 1:00                                  | 1086           | 0.75 | 1303                         | 249                        | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 3256150                 | 1.84                           | 1000  | 0.55                             | 0.80                        | 8000                     | 40                        | 2168                      | 571                        | 471                        | 124                    | 0  |
| 23-Dec-14           | 1:00 AM  | 1:00                                  | 1076           | 0.75 | 1348                         | 294                        | 2000                   | 0.000                 | 0.00                   | NA                    | 4358                                 | 3376150                 | 1.86                           | 1000  | 0.55                             | 0.80                        | 8000                     | 40                        | 2295                      | 698                        | 499                        | 152                    | 0  |
| 23-Dec-14           | 2:00 AM  | 1:00                                  | 1085           | 0.75 | 1393                         | 339                        | 2050                   | 1.106                 | 50.00                  | NA                    | 4408                                 | 3499150                 | 1.89                           | 1050  | 0.54                             | 0.80                        | 8000                     | 40                        | 2420                      | 823                        | 526                        | 179                    | 0  |
| 23-Dec-14           | 3:00 AM  | 1:00                                  | 1075           | 0.75 | 1438                         | 384                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 3622150                 | 1.91                           | 1050  | 0.54                             | 0.81                        | 8000                     | 40                        | 2546                      | 949                        | 554                        | 207                    | 0  |
| 23-Dec-14           | 4:00 AM  | 1:00                                  | 1078           | 0.75 | 1483                         | 429                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 3745150                 | 1.90                           | 1050  | 0.54                             | 0.81                        | 8000                     | 40                        | 2672                      | 1075                       | 581                        | 234                    | 0  |
| 23-Dec-14           | 5:00 AM  | 1:00                                  | 1085           | 0.75 | 1528                         | 474                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 3868150                 | 1.89                           | 1050  | 0.54                             | 0.81                        | 8000                     | 40                        | 2797                      | 1200                       | 608                        | 261                    | 0  |
| 23-Dec-14           | 6:00 AM  | 1:00                                  | 1078           | 0.75 | 1573                         | 519                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 3991150                 | 1.90                           | 1050  | 0.54                             | 0.81                        | 8000                     | 40                        | 2924                      | 1327                       | 636                        | 289                    | 0  |
| 23-Dec-14           | 6:41 AM  | 0:41                                  | 1082           | 0.75 | 1604                         | 550                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 4075200                 | 1.90                           | 1050  | 0.54                             | 0.81                        | 8000                     | 40                        | 3049                      | 1452                       | 663                        | 316                    | 0  |
| 23-Dec-14           | 6:41 AM  | 0:00                                  | 1080           | 0.75 | 1604                         | 0                          | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 4075200                 | 1.90                           | 1050  | 0.54                             | 0.81                        | 8000                     | 40                        | 3135                      | 1538                       | 682                        | 335                    | 0  |
| 23-Dec-14           | 7:00 AM  | 0:19                                  | 1084           | 0.75 | 1618                         | 14                         | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 4114150                 | 1.89                           | 1050  | 0.54                             | 0.81                        | 0                        | 0                         | 3135                      | 0                          | 682                        | 0                      | 0  |
| 23-Dec-14           | 8:00 AM  | 1:00                                  | 1075           | 0.75 | 1663                         | 59                         | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 4237150                 | 1.91                           | 1050  | 0.54                             | 0.81                        | 0                        | 0                         | 3135                      | 0                          | 682                        | 0                      | 0  |
| 23-Dec-14           | 9:00 AM  | 1:00                                  | 1082           | 0.75 | 1708                         | 104                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 4360150                 | 1.89                           | 1050  | 0.54                             | 0.81                        | 0                        | 0                         | 3135                      | 0                          | 682                        | 0                      | 0  |
| 23-Dec-14           | 10:00 AM | 1:00                                  | 1078           | 0.75 | 1753                         | 149                        | 2050                   | 0.000                 | 0.00                   | NA                    | 4408                                 | 4483150                 | 1.90                           | 1050  | 0.54                             | 0.81                        | 0                        | 0                         | 3135                      | 0                          | 682                        | 0                      | 0  |
| 23-Dec-14           | 11:00 AM | 1:00                                  | 1086           | 0.75 | 1798                         |                            |                        |                       |                        |                       |                                      |                         |                                |   |                                  |                             |                          |                           |                           |                            |                            |                        |  |

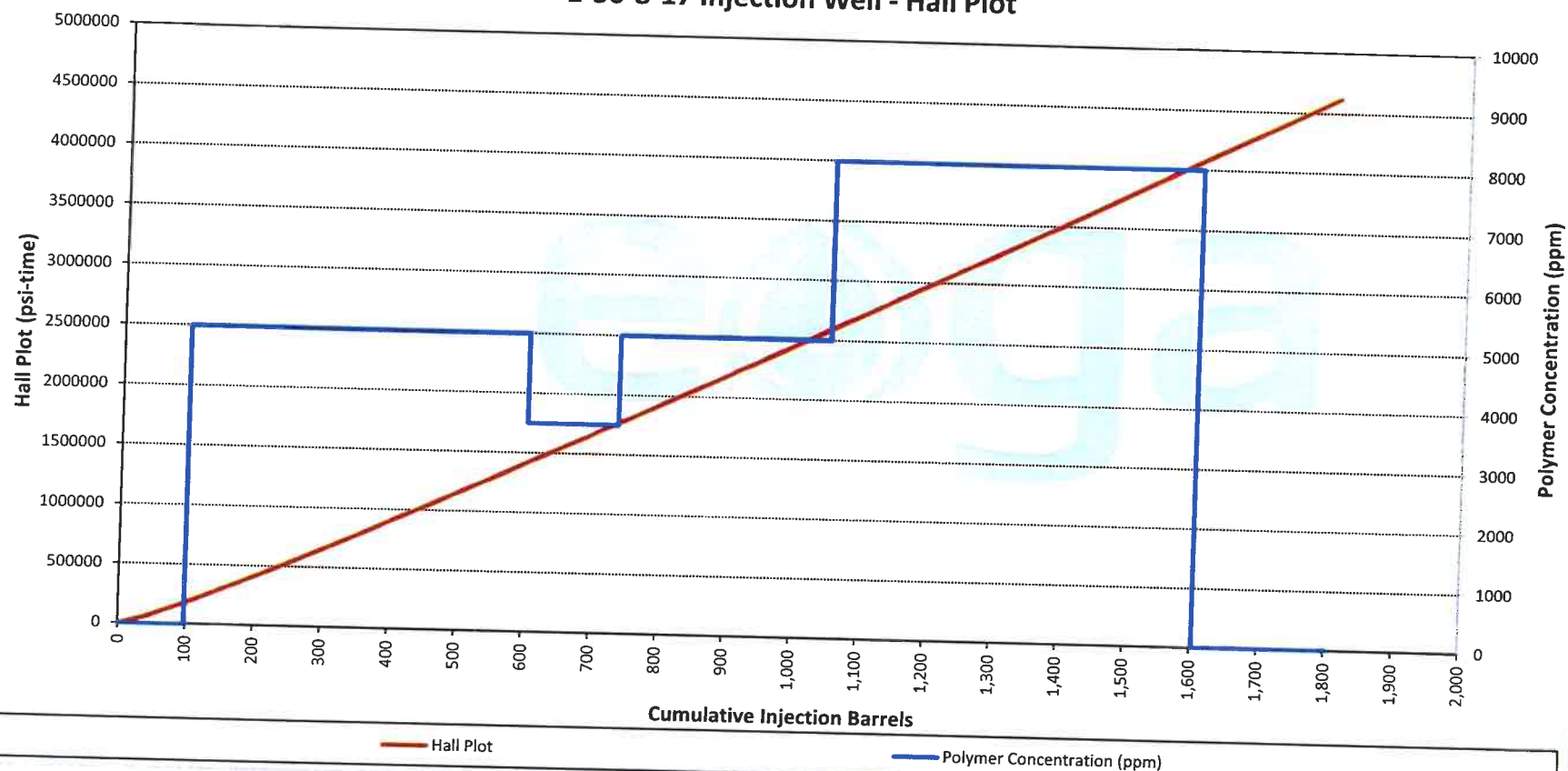


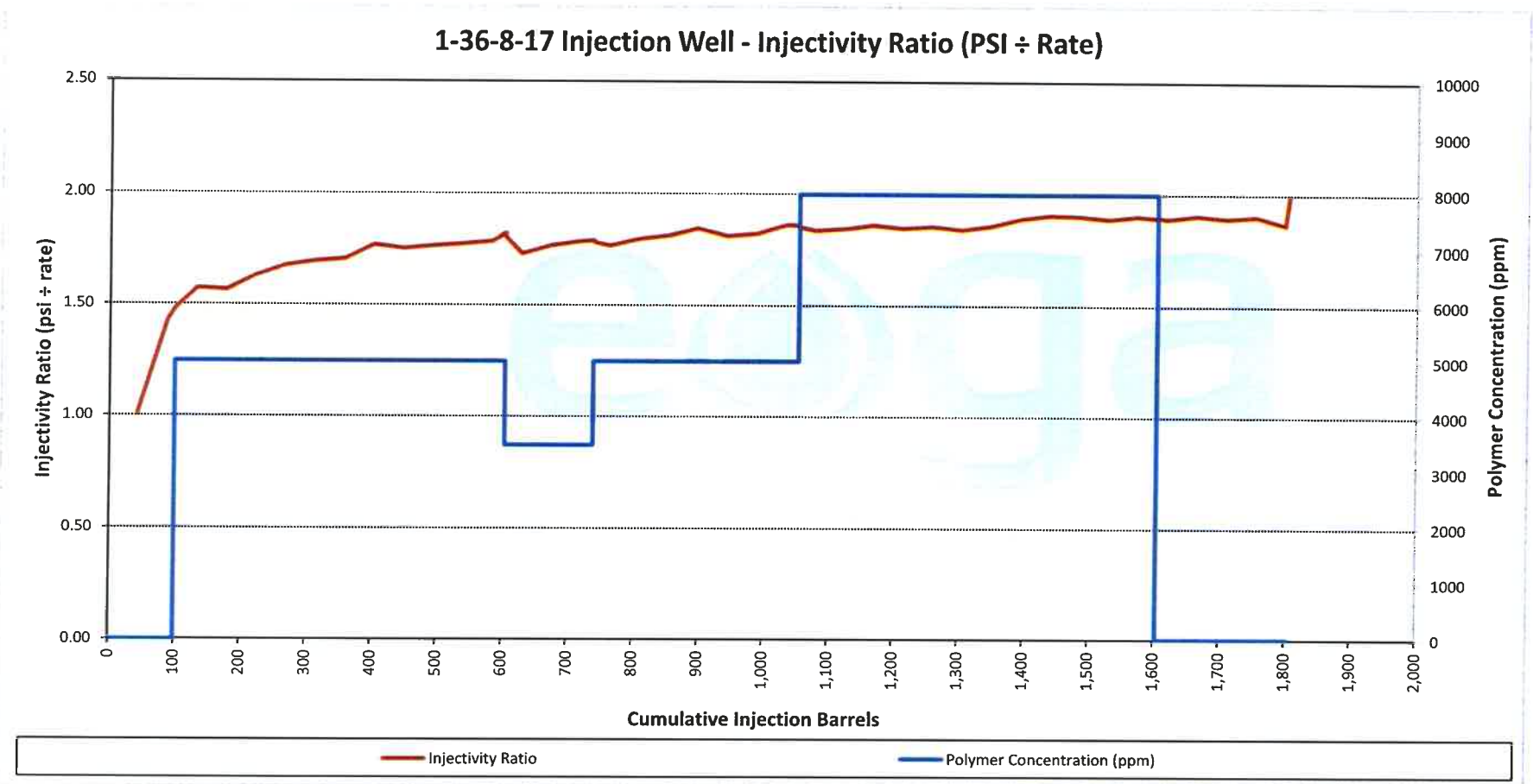


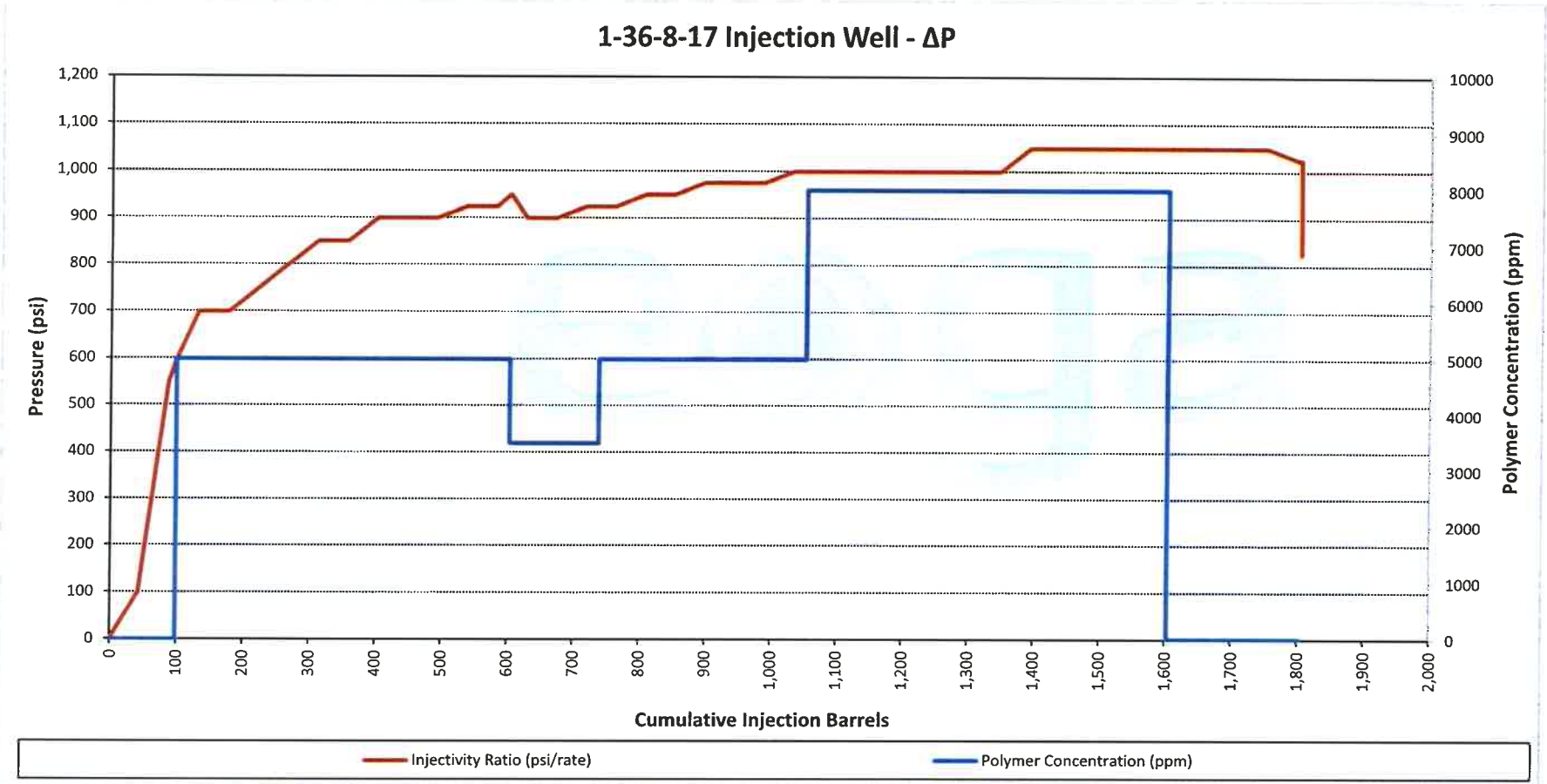


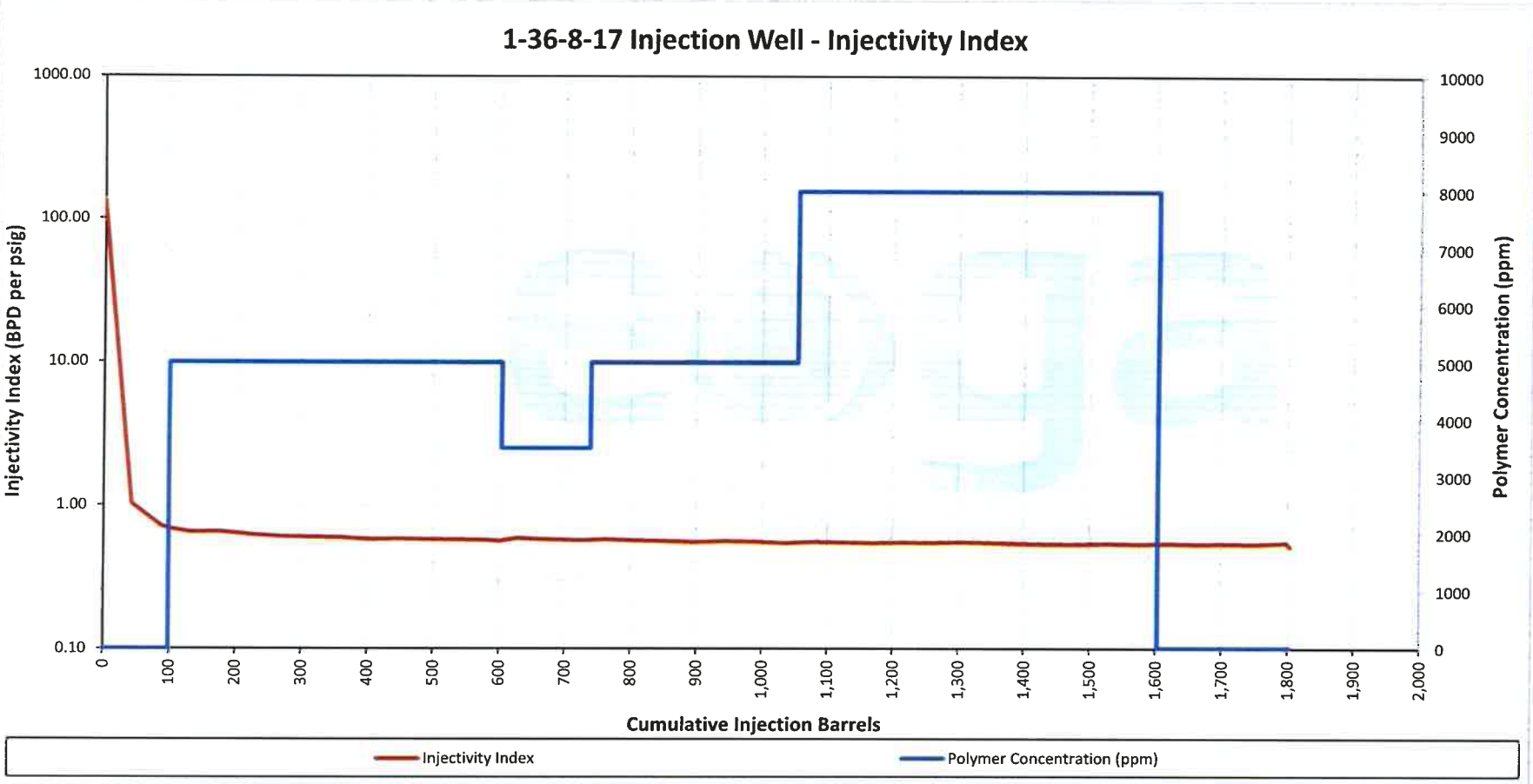


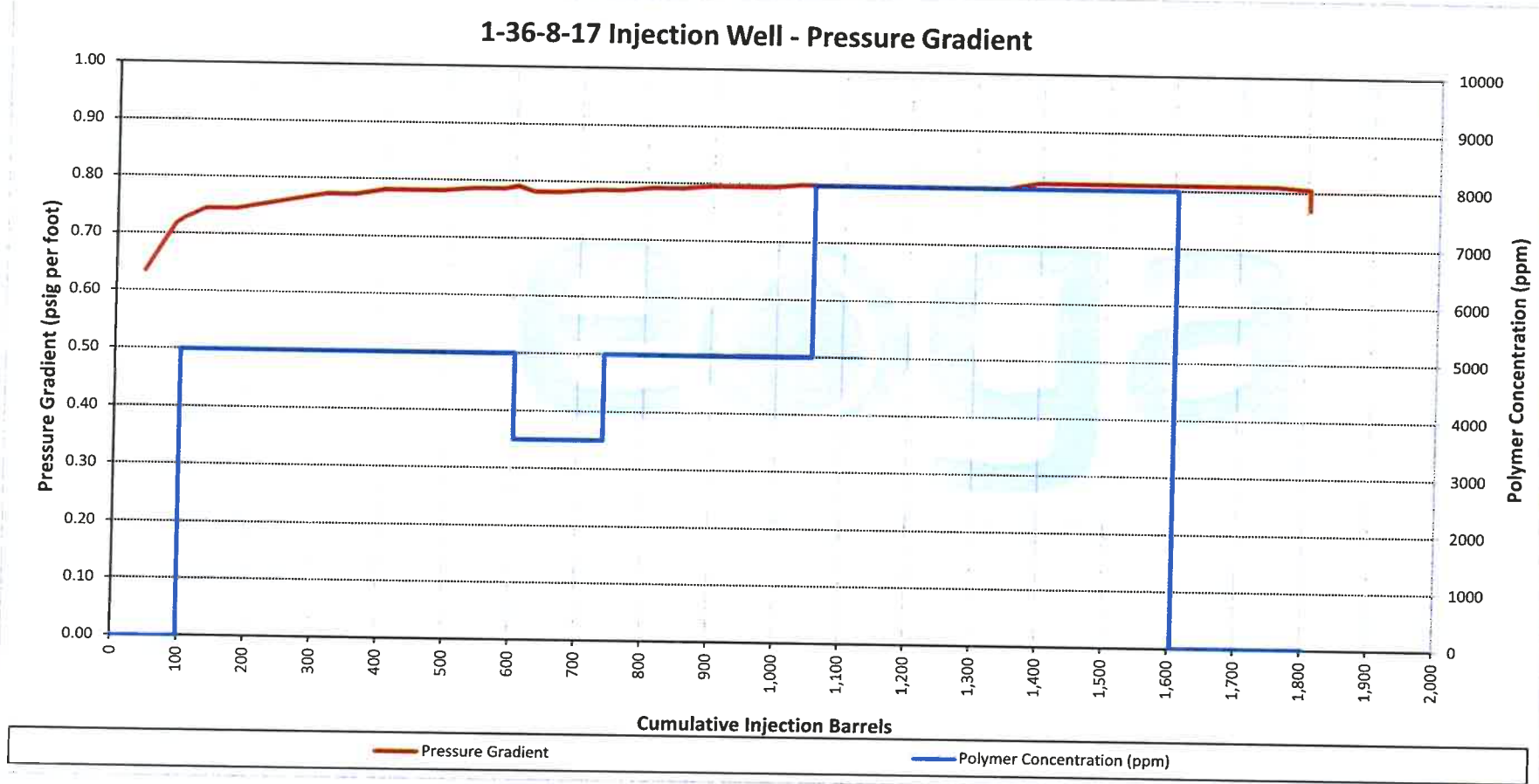
1-36-8-17 Injection Well - Hall Plot















UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

JAN 30 2015

RECEIVED

FEB 06 2015

DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2599-4715  
RETURN RECEIPT REQUESTED

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

36 85 17E

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Odekirk Spring State 1-36-8-17 Well  
EPA Permit ID# UT22197-04613  
API # 43-047-33195  
Monument Butte Oil Field  
Uintah County, Utah

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Dear Mr. Horrocks:

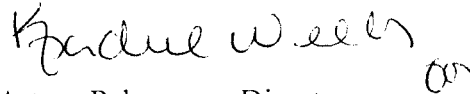
On January 15, 2015, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover and the followup mechanical integrity test (MIT) conducted on January 7, 2015. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. § 144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before January 7, 2020.

Pursuant to 40 C.F.R. § 144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. § 300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Don Breffle at (303) 312-6198. Please direct all correspondence to the attention of Don Breffle at Mail Code 8ENF-UFO.

Sincerely,

A handwritten signature in dark ink, appearing to read "Arturo Palomares", with a small circular mark to the right.

Arturo Palomares, Director  
Water Technical Enforcement Program  
Office of Enforcement, Compliance  
and Environmental Justice

cc: Gordon Howell, Chairman, Uintah & Ouray Business Committee  
Ronald Wopsock, Vice-Chairman, Uintah & Ouray Business Committee  
Reannin Tapoof, Executive Assistant, Uintah & Ouray Business Committee  
Stewart Pike, Councilman, Uintah & Ouray Business Committee  
Tony Small, Councilman, Uintah & Ouray Business Committee  
Bruce Ignacio, Councilman, Uintah & Ouray Business Committee  
Phillip Chimburas, Councilman, Uintah & Ouray Business Committee  
Manuel Myore, Director of Energy, Minerals and Air Programs  
Brad Hill, Utah Division of Oil, Gas and Mining

|  |   |   |
|--|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-44305  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   |   | <b>8. WELL NAME and NUMBER:</b><br>ODEKIRK SPRING 1-36-8-17 |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0660 FNL 0660 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 36 Township: 08.0S Range: 17.0E Meridian: S  |   | <b>9. API NUMBER:</b><br>43047331950000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext   |   | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>COUNTY:</b><br>UINTAH   |   | <b>STATE:</b><br>UTAH                                       |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>                                   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:   | <input type="checkbox"/> ACIDIZE                        |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>12/23/2014  | <input type="checkbox"/> ALTER CASING                   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CASING REPAIR                  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       |   |
|  | <input type="checkbox"/> CHANGE TUBING                  |   |
|  | <input type="checkbox"/> CHANGE WELL STATUS             |   |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS |   |
|  | <input type="checkbox"/> DEEPEN                         |   |
|  | <input type="checkbox"/> FRACTURE TREAT                 |   |
|  | <input type="checkbox"/> OPERATOR CHANGE                |   |
|  | <input type="checkbox"/> PLUG AND ABANDON               |   |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME     |   |
|  | <input type="checkbox"/> RECLAMATION OF WELL SITE       |   |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION  |   |
|  | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       |   |
|  | <input type="checkbox"/> TUBING REPAIR                  |   |
|  | <input type="checkbox"/> VENT OR FLARE                  |   |
|  | <input type="checkbox"/> WATER SHUTOFF                  |   |
|  | <input type="checkbox"/> SI TA STATUS EXTENSION         |   |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION     |   |
|  | <input checked="" type="checkbox"/> OTHER               |   |
|  | OTHER: <input type="text" value="Polymer Squeeze"/>     |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br>On 12/23/2014 a Polymer Squeeze was performed on the above mentioned well. See attached activity summary.  |   |   |
| Accepted by the<br>Utah Division of<br>Oil, Gas and Mining<br><b>FOR RECORD ONLY</b><br>August 19, 2015  |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Mandie Crozier   | <b>PHONE NUMBER</b><br>435 646-4825                     | <b>TITLE</b><br>Regulatory Tech                             |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>8/18/2015                                |   |

NEWFIELD



## Summary Rig Activity

Well Name: Odekirk 1-36-8-17

|              |                |              |
|--------------|----------------|--------------|
| Job Category | Job Start Date | Job End Date |
|              |                |              |

## Daily Operations

|                                 |                               |   |
|---------------------------------|-------------------------------|---|
| Report Start Date<br>12/4/2014  | Report End Date<br>12/4/2014  | 24hr Activity Summary<br>MIRU   |
| Start Time<br>10:00             | End Time<br>11:00             | Comment<br>Load out & move from MON BUTTE FED 8-34 To Odekirk springs 1-36  |
| Start Time<br>11:00             | End Time<br>12:00             | Comment<br>Wait on INJ Building to get moved  |
| Start Time<br>12:00             | End Time<br>15:30             | Comment<br>MIRU Same<br>Flow back well waiting on pit to be dug Flowed back 80 BLLS, CWI @ 3:30   |
| Start Time<br>15:30             | End Time<br>16:30             | Comment<br>Crew Travel  |
| Report Start Date<br>12/8/2014  | Report End Date<br>12/8/2014  | 24hr Activity Summary<br>WAIT ON PIT TO BE DUG, TOO H TBG   |
| Start Time<br>06:00             | End Time<br>07:00             | Comment<br>Crew Travel  |
| Start Time<br>07:00             | End Time<br>12:00             | Comment<br>Wait on Pit to Be Dug  |
| Start Time<br>12:00             | End Time<br>13:30             | Comment<br>ND Wellhead, Strip on 5000# BOPS, RU Floor & TBG Works, REL 4 1/2" Arrowset-1 PKR, Flush TBG W/ 50 BBLs H2O  |
| Start Time<br>13:30             | End Time<br>15:00             | Comment<br>TOOH W/ 152 JTS 2 3/8" TBG, LD 4 1/2" Arrowset-1 PKR & PSN   |
| Start Time<br>15:00             | End Time<br>17:00             | Comment<br>PU & TIH W/ 4 1/2" Bit & Scraper, PSN & 152 JTS 2 3/8" TBG, EOT @ 4938' CWI @ 5:00   |
| Start Time<br>17:00             | End Time<br>18:00             | Comment<br>Crew Travel  |
| Report Start Date<br>12/9/2014  | Report End Date<br>12/9/2014  | 24hr Activity Summary<br>CONT ROUND TRIPPING BIT & SCRAPER, TIH W/ RBP  |
| Start Time<br>06:00             | End Time<br>07:00             | Comment<br>Crew Travel & Safety MTG   |
| Start Time<br>07:00             | End Time<br>08:00             | Comment<br>Thaw well, PU 28 JTS 2 3/8" TBG, Tag fill @ 5826', 298' of fill  |
| Start Time<br>08:00             | End Time<br>10:00             | Comment<br>Wait on Rig & DRLG EQUIP   |
| Start Time<br>10:00             | End Time<br>10:45             | Comment<br>RU Pump & Lines, RU DRLG EQUIP   |
| Start Time<br>10:45             | End Time<br>12:00             | Comment<br>Tag fill & 5826' C/O To PBTD @ 6124' CIRC Well clean   |
| Start Time<br>12:00             | End Time<br>15:00             | Comment<br>RD DRLG EQUIP, LD 26 JTS 2 3/8" TBG, Drop SV, Pump 25 BBLs H2O Down TBG, Never caught Press, Try pushing SV W/ Sandline, Stacked out @ 1000', Flush TBG W/ 20 BBLs H2O TBG PRESS Up, Test TBG To 3000 PSI-OK, RIH W/ Sandline RET SV, POOH & Rack out sandline |
| Start Time<br>15:00             | End Time<br>16:30             | Comment<br>TOOH W/ 164 JTS 2 3/8" TBG, LD PSN & 4 1/2" Bit & Scraper, CWI   |
| Start Time<br>16:30             | End Time<br>17:30             | Comment<br>Crew Travel  |
| Report Start Date<br>12/10/2014 | Report End Date<br>12/10/2014 | 24hr Activity Summary<br>TIH W/ RBP & PKR   |



## Summary Rig Activity

Well Name: Odekirk 1-36-8-17

|                   |                 |  |          |       |   |
|-------------------|-----------------|--|----------|-------|---|
| Start Time        |                 | 06:00  | End Time | 07:00 | Comment   |
| Start Time        |                 | 07:00  | End Time | 09:30 | Crew Travel & Safety MTG  |
| Start Time        |                 | 09:30  | End Time | 11:30 | Comment<br>PU & TIH W/ 4 1/2" RBP, RH, 4' 2 3/8" TBG SUB, 4 1/2" PKR, PSN & 164 JTS 2 3/8" TBG, Set 4 1/2" RBP @ 5322' & PKR @ 5288', Test tools to 3000 PSI For 15 MIN-Good test, REL PKR LD 4 JTS   |
| Report Start Date | Report End Date | 24hr Activity Summary                              |          |       |   |
| 12/21/2014        | 12/23/2014      | Polymer Treatment<br>Treatment pumped continuously |          |       |   |
| Start Time        |                 | 07:00  | End Time | 11:00 | Comment<br>We injected 550 barrels of 8000 ppm gel and followed the polymer injection with a 200 barrel water flush. We've injected a total of 1504 barrels of gelant that has consisted of 504 bbls @ 5000 ppm, 135 bbls @ 3500 ppm, 315 bbls @ 5000 ppm, and 550 bbls @ 8000 ppm polymer concentration. The WHP reached a max of 2050 psi and fell to 2025 psi by the end of the water flush. We performed a 30 minute fall off test and saw the pressure fall to 1825 psi. |
| Report Start Date | Report End Date | 24hr Activity Summary                              |          |       |   |
| 1/5/2015          | 1/5/2015        | MIRU   |          |       |   |
| Start Time        |                 | 06:00  | End Time | 07:00 | Comment   |
| Start Time        |                 | 07:00  | End Time | 12:30 | CREW TRAVEL & SAFETY MTG  |
| Start Time        |                 | 12:30  | End Time | 16:00 | Comment<br>RDMO FROM 10-3-9-16 TO 1-36-8-17 WAIT ON INJ SHED TO BE MOVED START TO FLOW WELL BACK  |
| Start Time        |                 | 16:00  | End Time | 17:00 | Comment<br>RU X-OVER TO 2 3/8 TBG EQUIP ND WELL HEAD RELEASE PKR NU BOPS PU & TIH IN HOLE TO RBP @5322 RELEASE RBP PUMP 40 BBLS DOWN TBG LD 12 JTS TBG CONT TOOH W/TOTAL 152 JTS LD PLUG & PKR  |
| Start Time        |                 | 17:00  | End Time | 18:00 | Comment<br>PU & TIH W/BHA & TBG AS FOLLOWS WIRE LINE RE-ENTRY TOOL, XN NIPPLE 4' X 2 3/8 PUP JT, 4 1/2 AS1 PKR ON OFF TOOL, PSN & 40 JTS 2 3/8 TBG  |
| Report Start Date | Report End Date | 24hr Activity Summary                              |          |       |   |
| 1/6/2015          | 1/6/2015        | CONT TIH W/ BHA                                    |          |       |   |
| Start Time        |                 | 06:00  | End Time | 07:00 | Comment   |
| Start Time        |                 | 07:00  | End Time | 09:30 | CREW TRAVEL & SAFETY MTG  |
| Start Time        |                 | 09:30  | End Time | 12:00 | Comment<br>THAW OUT WELL HEAD PUMP 20 BBLS DOWN TBG CONNT TIH W/BHA & TBG AS FOLLOWS WIRE LINE RE-ENTRY TOOL, XN NIPPLE NIPPLE, 2 3/8 PUP JT, AS-1 PKR 4 1/2, ON OFF TOOL, 2 3/8 PSN & TOTAL OF 152 JTS 2 3/8 TBG   |
| Start Time        |                 | 12:00  | End Time | 15:00 | Comment<br>PUMP 10 BBL PAD DROP SV PRESS UP TBG TO 3000 PSI W/14 BBLS GET GOOD TEST @12:00  |
| Start Time        |                 | 15:00  | End Time | 17:00 | Comment<br>BLEED DOWN WELL RU SL FISH SV ND BOPS LAND TBG W/ B-1 ADAPTOR FLANGE PUMP 50 BBLS FRESH WATER & PKR FLUID SET PKR W/ 15000 TENSION LAND TBG W/ B-1 ADAPTOR FLANGE NU WELL HEAD W/PSN @4936.57 PKR CE @4943.22, EOT @4952.31,   |
| Start Time        |                 | 17:00  | End Time | 18:00 | Comment<br>PRESS UP CSG TO 1400 CLEAN RIG & EQUIPT CHK PRESS @ 5:00 1410  |
| Start Time        |                 | 18:00  | End Time |       | CREW TRAVEL   |

NEWFIELD



## Summary Rig Activity

Well Name: Odekirk 1-36-8-17

|  |
|--|
|  |
|--|

## Daily Operations

| Report Start Date | Report End Date | 24hr Activity Summary   | Comment |
|-------------------|-----------------|---|---------|
| 1/7/2015          | 1/7/2015        | Conduct MIT   |         |
| Start Time        | End Time        |   |         |
| 08:15             | 08:45           | Workover MIT performed on the above listed well. On 01/07/2015 the csg was pressured up to 1369 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 345 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04613 |         |

|   |   |   |
|---|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>ML-44305  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052  |   | <b>8. WELL NAME and NUMBER:</b><br>ODEKIRK SPRING 1-36-8-17 |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0660 FNL 0660 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 36 Township: 08.0S Range: 17.0E Meridian: S   |   | <b>9. API NUMBER:</b><br>43047331950000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |   | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>COUNTY:</b><br>UINTAH  |   | <b>STATE:</b><br>UTAH                                       |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |   |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>                                   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE                        |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>8/31/2015  | <input type="checkbox"/> ALTER CASING                   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CASING REPAIR                  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       |   |
|   | <input type="checkbox"/> CHANGE WELL STATUS             |   |
|   | <input type="checkbox"/> CHANGE WELL NAME               |   |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS |   |
|   | <input type="checkbox"/> CONVERT WELL TYPE              |   |
|   | <input type="checkbox"/> DEEPEN                         |   |
|   | <input type="checkbox"/> FRACTURE TREAT                 |   |
|   | <input type="checkbox"/> NEW CONSTRUCTION               |   |
|   | <input type="checkbox"/> OPERATOR CHANGE                |   |
|   | <input type="checkbox"/> PLUG AND ABANDON               |   |
|   | <input type="checkbox"/> PLUG BACK                      |   |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME     |   |
|   | <input type="checkbox"/> RECLAMATION OF WELL SITE       |   |
|   | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |   |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION  |   |
|   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       |   |
|   | <input type="checkbox"/> TEMPORARY ABANDON              |   |
|   | <input checked="" type="checkbox"/> TUBING REPAIR       |   |
|   | <input type="checkbox"/> VENT OR FLARE                  |   |
|   | <input type="checkbox"/> WATER DISPOSAL                 |   |
|   | <input type="checkbox"/> WATER SHUTOFF                  |   |
|   | <input type="checkbox"/> SI TA STATUS EXTENSION         |   |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION     |   |
|   | <input checked="" type="checkbox"/> OTHER               |   |
|   | OTHER: <input type="text" value="W/O MIT"/>             |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><p>The above subject well had workover procedures performed (tubing leak), attached is a daily status report. Workover MIT performed on the above listed well. On 08/31/2015 the csg was pressured up to 1466 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04613</p> <div style="text-align: right; border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining</b><br/> <b>FOR RECORD ONLY</b><br/>         September 16, 2015       </div> |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874                     | <b>TITLE</b><br>Water Services Technician                   |
| <b>SIGNATURE</b><br>N/A   | <b>DATE</b><br>9/14/2015                                |   |

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 8/31/2015  
Test conducted by: \_\_\_\_\_  
Others present: \_\_\_\_\_

|  |  |                  |
|--|--|------------------|
| Well Name: <u>ODEKIRK 1-36-8-17</u>  | Type: ER SWD                           | Status: AC TA UC |
| Field: <u>Monument Butte</u>   |  |                  |
| Location: <u>NE 1/4</u> Sec: <u>36</u> T <u>8</u> N <u>10</u> R <u>17</u> E W County: <u>Uintah</u> State: <u>UT</u> |  |                  |
| Operator: <u>Troy Lantry</u>   |  |                  |
| Last MIT: <u>1/1</u>   | Maximum Allowable Pressure: _____ PSIG |                  |

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☐ Yes ☒ No  
Test after well rework? ☒ Yes ☐ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

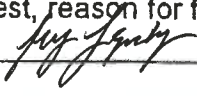
Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

| MIT DATA TABLE         | Test #1   | Test #2   | Test #3   |
|------------------------|---|---|---|
| <b>TUBING</b>          | <b>PRESSURE</b>   |   |   |
| Initial Pressure       | 0 psig  | psig  | psig  |
| End of test pressure   | 0 psig  | psig  | psig  |
| <b>CASING / TUBING</b> | <b>ANNULUS PRESSURE</b>                                     |   |   |
| 0 minutes              | 1477 psig   | psig  | psig  |
| 5 minutes              | 1472 psig   | psig  | psig  |
| 10 minutes             | 1471 psig   | psig  | psig  |
| 15 minutes             | 1470 psig   | psig  | psig  |
| 20 minutes             | 1468 psig   | psig  | psig  |
| 25 minutes             | 1467 psig   | psig  | psig  |
| 30 minutes             | 1466 psig   | psig  | psig  |
| _____ minutes          | psig  | psig  | psig  |
| _____ minutes          | psig  | psig  | psig  |
| <b>RESULT</b>          | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

## MECHANICAL INTEGRITY PRESSURE TEST

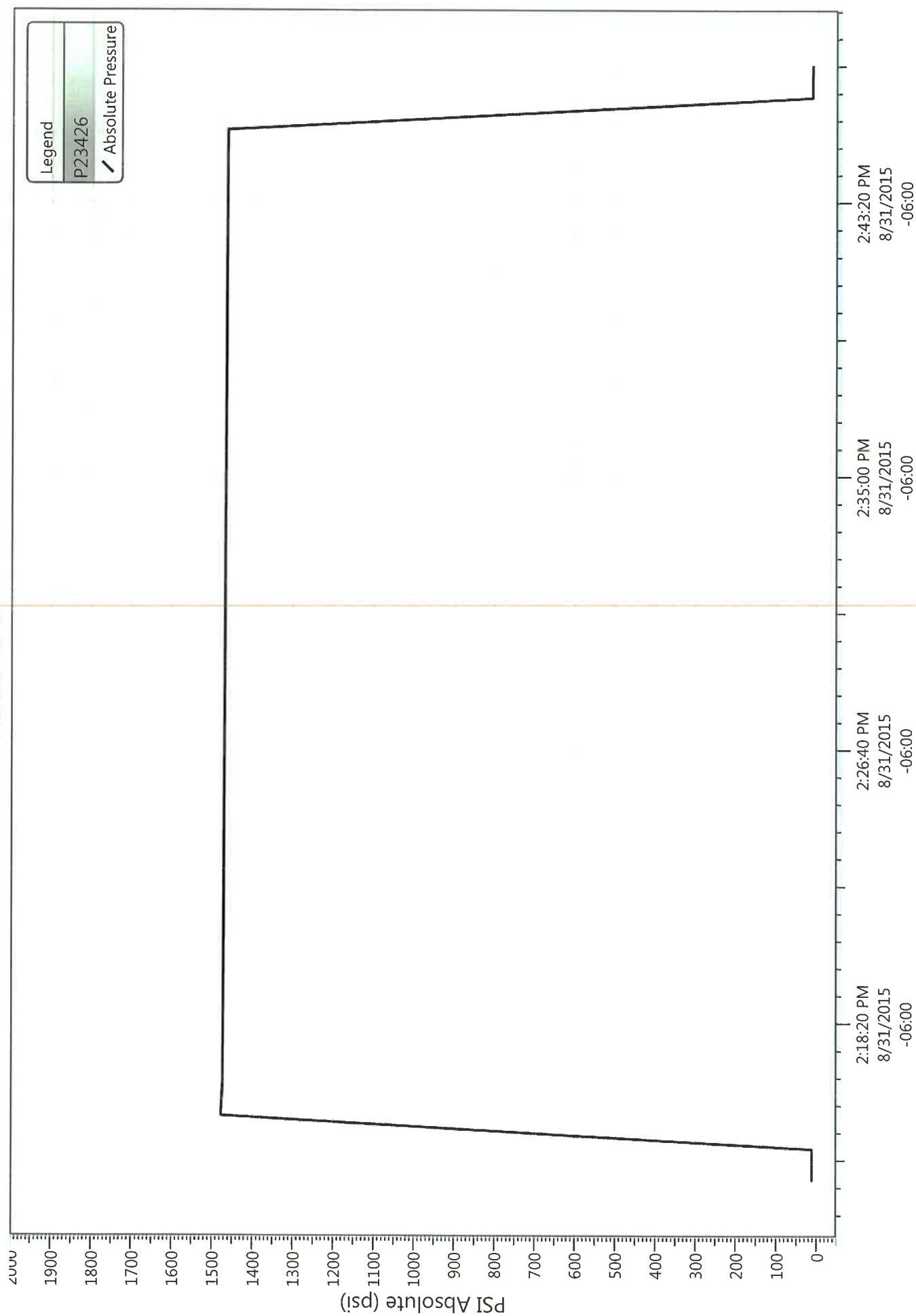
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: 



ODEKIRK 1-36-8-17

8/31/2015 2:13:12 PM



## NEWFIELD

## Schematic

Well Name: Odekirk 1-36-8-17

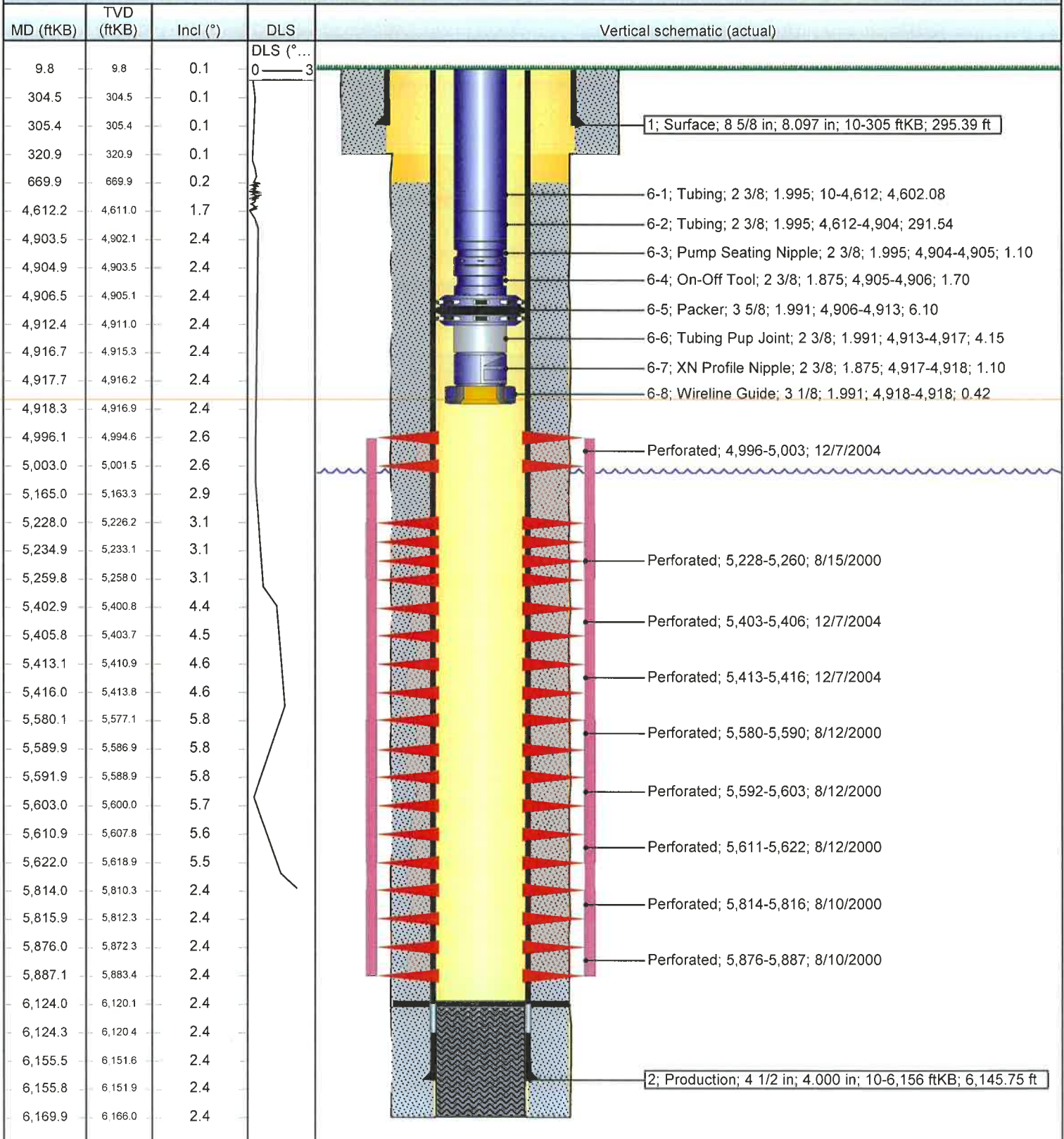
|                                     |                               |                                 |                                     |                                |                              |       |  |                         |                  |
|-------------------------------------|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|-------|--|-------------------------|------------------|
| Surface Legal Location<br>36-8S-17E |                               |                                 |                                     | API/UWI<br>43047331950000      | Well RC<br>500150982         | Lease | State/Province<br>Utah                       | Field Name<br>GMBU CTB9 | County<br>Uintah |
| Spud Date<br>7/14/2000              | Rig Release Date<br>7/22/2000 | On Production Date<br>8/19/2000 | Original KB Elevation (ft)<br>5,040 | Ground Elevation (ft)<br>5,030 | Total Depth All (TVD) (ftKB) |       | PBTD (All) (ftKB)<br>Original Hole - 6,124.0 |                         |                  |

## Most Recent Job

|                                       |                             |                                     |                             |                           |
|---------------------------------------|-----------------------------|-------------------------------------|-----------------------------|---------------------------|
| Job Category<br>Production / Workover | Primary Job Type<br>Repairs | Secondary Job Type<br>Tubing Repair | Job Start Date<br>8/26/2015 | Job End Date<br>8/31/2015 |
|---------------------------------------|-----------------------------|-------------------------------------|-----------------------------|---------------------------|

TD: 6,170.0

Vertical - Original Hole, 9/1/2015 11:14:09 AM



**NEWFIELD****Newfield Wellbore Diagram Data  
Odekirk 1-36-8-17**

|                                     |                        |                                |  |  |  |
|-------------------------------------|------------------------|--------------------------------|--|--|--|
| Surface Legal Location<br>36-8S-17E |                        | API/UWI<br>43047331950000      |  | Lease  |  |
| County<br>Uintah                    | State/Province<br>Utah | Basin<br>Uintah Basin          |  | Field Name<br>GMBU CTB9                      |  |
| Well Start Date<br>7/14/2000        |                        | Spud Date<br>7/14/2000         |  | Final Rig Release Date<br>7/22/2000          |  |
| Original KB Elevation (ft)<br>5,040 |                        | Ground Elevation (ft)<br>5,030 |  | On Production Date<br>8/19/2000              |  |
| Total Depth (ftKB)<br>6,170.0       |                        | Total Depth All (TVD) (ftKB)   |  | PBSD (All) (ftKB)<br>Original Hole - 6,124.0 |  |

**Casing Strings**

| Csg Des    | Run Date  | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|-----------|---------|---------|----------------|-------|------------------|
| Surface    | 7/14/2000 | 8 5/8   | 8.097   | 24.00          | J-55  | 305              |
| Production | 7/21/2000 | 4 1/2   | 4.000   | 11.60          | J-55  | 6,156            |

**Cement****String: Surface, 305ftKB 7/14/2000**

|  |                          |                              |              |                              |
|--|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company<br>BJ Services Company           | Top Depth (ftKB)<br>10.0 | Bottom Depth (ftKB)<br>321.0 | Full Return? | Vol Cement Ret (bbl)         |
| Fluid Description<br>2% CaCl + 1/4#/sk Cello-Flake | Fluid Type<br>Lead       | Amount (sacks)<br>141        | Class<br>G   | Estimated Top (ftKB)<br>10.0 |
| Fluid Description<br>2% CaCl + 1/4#/sk Cello-Flake | Fluid Type<br>Lead       | Amount (sacks)<br>141        | Class<br>G   | Estimated Top (ftKB)<br>10.0 |

**String: Production, 6,156ftKB 7/21/2000**

|   |                           |                                |                      |                                 |
|---|---------------------------|--------------------------------|----------------------|---------------------------------|
| Cementing Company<br>BJ Services Company  | Top Depth (ftKB)<br>670.0 | Bottom Depth (ftKB)<br>6,170.0 | Full Return?         | Vol Cement Ret (bbl)            |
| Fluid Description<br>0.5% S.M.+10% gel+3#/sk CSE+2#/sk kolseal+3%KCL+1/4#/sk C.F. | Fluid Type<br>Lead        | Amount (sacks)<br>350          | Class<br>Premlite II | Estimated Top (ftKB)<br>670.0   |
| Fluid Description<br>3% KCL+1/4#/sk C.F.+2% gel+0.3%S.M.                          | Fluid Type<br>Tail        | Amount (sacks)<br>550          | Class<br>50/50 POZ   | Estimated Top (ftKB)<br>3,420.0 |

**Tubing Strings**

| Tubing Description  |     |         |         |            | Run Date  |          | Set Depth (ftKB) |            |
|---------------------|-----|---------|---------|------------|-----------|----------|------------------|------------|
| Tubing              |     |         |         |            | 8/28/2015 |          | 4,918.2          |            |
| Item Des            | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade     | Len (ft) | Top (ftKB)       | Btm (ftKB) |
| Tubing              | 151 | 2 3/8   | 1.995   | 4.60       | J-55      | 4,602.08 | 10.0             | 4,612.1    |
| Tubing              | 9   | 2 3/8   | 1.995   | 4.60       | L-80      | 291.54   | 4,612.1          | 4,903.6    |
| Pump Seating Nipple | 1   | 2 3/8   | 1.995   |            |           | 1.10     | 4,903.6          | 4,904.7    |
| On-Off Tool         | 1   | 2 3/8   | 1.875   |            |           | 1.70     | 4,904.7          | 4,906.4    |
| Packer              | 1   | 3 5/8   | 1.991   |            |           | 6.10     | 4,906.4          | 4,912.5    |
| Tubing Pup Joint    | 1   | 2 3/8   | 1.991   |            |           | 4.15     | 4,912.5          | 4,916.7    |
| XN Profile Nipple   | 1   | 2 3/8   | 1.875   |            |           | 1.10     | 4,916.7          | 4,917.8    |
| Wireline Guide      | 1   | 3 1/8   | 1.991   |            |           | 0.42     | 4,917.8          | 4,918.2    |

**Rod Strings**

| Rod Description |     |         |            | Run Date |          | Set Depth (ftKB) |            |
|-----------------|-----|---------|------------|----------|----------|------------------|------------|
| Item Des        | Jts | OD (in) | Wt (lb/ft) | Grade    | Len (ft) | Top (ftKB)       | Btm (ftKB) |

**Perforation Intervals**

| Stage# | Zone                | Top (ftKB) | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (°) | Nom Hole Dia (in) | Date      |
|--------|---------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 4      | D2, Original Hole   | 4,996      | 5,003      | 4                    |             |                   | 12/7/2004 |
| 3      | B, Original Hole    | 5,228      | 5,260      | 4                    |             |                   | 8/15/2000 |
| 4      | A1, Original Hole   | 5,403      | 5,406      | 4                    |             |                   | 12/7/2004 |
| 4      | A1, Original Hole   | 5,413      | 5,416      | 4                    |             |                   | 12/7/2004 |
| 2      | LODC, Original Hole | 5,580      | 5,590      | 4                    |             |                   | 8/12/2000 |
| 2      | LODC, Original Hole | 5,592      | 5,603      | 4                    |             |                   | 8/12/2000 |
| 2      | LODC, Original Hole | 5,611      | 5,622      | 4                    |             |                   | 8/12/2000 |
| 1      | CP, Original Hole   | 5,814      | 5,816      | 4                    |             |                   | 8/10/2000 |
| 1      | CP, Original Hole   | 5,876      | 5,887      | 4                    |             |                   | 8/10/2000 |

**Stimulations & Treatments**

| Stage# | ISIP (psi) | Frac Gradient (psi/ft) | Max Rate (bbl/min) | Max PSI (psi) | Total Clean Vol (bbl) | Total Slurry Vol (bbl) | Vol Recov (bbl) |
|--------|------------|------------------------|--------------------|---------------|-----------------------|------------------------|-----------------|
| 1      | 2,900      |                        | 32.0               | 3,711         |                       |                        |                 |
| 2      | 2,408      |                        | 35.5               | 2,550         |                       |                        |                 |
| 3      | 1,160      |                        | 31.7               | 1,842         |                       |                        |                 |
| 4      |            |                        |                    |               |                       |                        |                 |
| 5      |            |                        |                    |               |                       |                        |                 |
| 6      |            |                        |                    |               |                       |                        |                 |

**NEWFIELD****Newfield Wellbore Diagram Data  
Odekirk 1-36-8-17**

| Proppant |                               |                         |
|----------|-------------------------------|-------------------------|
| Stage#   | Total Prop Vol Pumped<br>(lb) | Total Add Amount        |
| 1        |                               | Proppant Sand 78560 lb  |
| 2        |                               | Proppant Sand 100781 lb |
| 3        |                               | Proppant Sand 94994 lb  |
| 4        |                               |                         |
| 5        |                               |                         |
| 6        |                               |                         |



**NEWFIELD****Well Name: Odekirk 1-36-8-17****Job Detail Summary Report**

| Jobs                           |                              | Job Start Date   | Job End Date |
|--------------------------------|------------------------------|--|--------------|
| Primary Job Type<br>Repairs    |                              | 8/26/2015  | 8/31/2015    |
| <b>Daily Operations</b>        |                              |  |              |
| Report Start Date<br>8/26/2015 | Report End Date<br>8/26/2015 | 24hr Activity Summary<br>MIRUSU. Drop standing valve. Pressure test tbq. Tbg bled off 500 psi per minute. Retrieve standing valve. ND wellhead. NU BOP's.                |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 10:00                        | Move rig to location.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 11:00                        | MIRUSU   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 12:00                        | Wait for locks to be removed from valves   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 13:00                        | Drop standing valve and attempt to pressure test tbq. RIH w/ sandline to tag standing valve to seat.   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 15:00                        | Pressure test tbq. Tbg bled off 500 psi per minute.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 15:30                        | ND wellhead. NU BOP's. RD rig floor. Unset packer.   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 16:30                        | TOH w/ tbg breaking and doping collars. SDFD.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 17:30                        | Crew travel from location to shop.   |              |
| Report Start Date<br>8/27/2015 | Report End Date<br>8/27/2015 | 24hr Activity Summary<br>Cont TOH w/ tbg breaking and doping collars. Pressure test tbq 3000 psi, hold for 1 hr. RIH w/ sandline and retrieve standing valve.            |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 06:00                        | Crew travel from shop to location.   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 06:30                        | JSA safety meeting on location.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 07:00                        | TOH w/ 127-jts 2 3/8 J-55 tbg and packer assembly, breaking and doping collars. Found hole in jt# 120. LD 10-jts around hole.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 10:30                        | LD packer and make up new packer on tbg string.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 11:00                        | PU 9-jts 2 3/8 J-55 tbg off trailer. TIH w/ guide collar, xn nipple, tbg pup, packer, on/off tool, sn and 70-jts tbg out of derrick.                                     |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 12:00                        | Pump 10 bbls fresh water down tbg to clear tbg. Drop standing valve. Fill tbg w/ 10 bbls fresh water and pressure test tbg to 3000 psi. Hold test for 10 min. Good test. |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 13:00                        | Cont TIH w/ 81-jts 2 3/8 tbg.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 14:00                        | Fill tbg w/ 5 bbls fresh water. Pressure up on tbg to 3000 psi.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 14:30                        | Watch pressure for 30 min. Pressure dropped 50 psi in 30min.   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 15:00                        | Watch pressure for 30 min. Pressure dropped 30 psi in 30 min.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 15:30                        | Watch pressure for 30 min. Pressure dropped 30 psi in 30 min.  |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 16:00                        | Watch pressure for 1 hr. Pressure dropped 40 psi in 1hr.   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 17:00                        | Watch pressure for 1hr. Pressure dropped 20 psi in 1hr. Pump pressure back up to 3000 psi. Leave over weekend. SDFD.   |              |
| Start Time                     | End Time                     | Comment  |              |
|                                | 18:00                        |  |              |



## Job Detail Summary Report

Well Name: Odekirk 1-36-8-17

|                   |                 |  |       |         |
|-------------------|-----------------|--|-------|---------|
| Start Time        | 18:00           | End Time                               | 18:30 | Comment |
| Report Start Date | Report End Date | 24hr Activity Summary                  |       |         |
| 8/31/2015         | 8/31/2015       | Pressure test tbg and casing. MIT test |       |         |
| Start Time        | 06:00           | End Time                               | 06:30 | Comment |
| Start Time        | 06:30           | End Time                               | 07:00 | Comment |
| Start Time        | 07:00           | End Time                               | 07:30 | Comment |
| Start Time        | 07:30           | End Time                               | 08:00 | Comment |
| Start Time        | 08:00           | End Time                               | 09:00 | Comment |
| Start Time        | 09:00           | End Time                               | 10:00 | Comment |
| Start Time        | 10:00           | End Time                               | 11:30 | Comment |
| Start Time        | 11:30           | End Time                               | 12:30 | Comment |
| Start Time        | 12:30           | End Time                               | 13:30 | Comment |
| Start Time        | 13:30           | End Time                               | 14:30 | Comment |
| Start Time        | 14:30           | End Time                               | 15:00 | Comment |
| Start Time        | 15:00           | End Time                               | 15:30 | Comment |

Crew travel from location to shop.

Crew travel from shop to location.

JSA safety meeting on location.

Pressure was @ 1850 psi. Pump up tbg to 3100 psi.

Watch tbg for 30 min. Pressure dropped to 3050 psi.

Watch pressure on tbg for 1 hr. Pressure dropped to 3000 psi.

Watch pressure for 1 hr. Pressure dropped to 2975 psi.

Bleed off pressure on tbg. RIH w/ sandline to retrieve standing valve and LD.

RD rig floor. ND BOP's. NU wellhead.

Pump 70 bbls fresh water mixed w/ packer fluid down casing. Set packer w/ 15000 tension w/ CE @ 4909'. Fill tbg w/ 5 bbls fresh water. Pressure test casing to 1500 psi and watch for 1hr.

Casing pressure held good. Called for MIT.

MIT test. Good test.

Workover MIT performed on the above listed well. On 08/31/2015 the csg was pressured up to 1466 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA #UT22197-04613

RDMO.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**RECEIVED**  
**SEP 21 2015**  
**DIV. OF OIL, GAS & MINING**

Ref: 8ENF-UFO

**SEP 16 2015**

CERTIFIED MAIL 7009-3410-0000-2600-8541  
RETURN RECEIPT REQUESTED

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

36 85 17E

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Odekirk Spring State 1-36-8-17 Well  
EPA Permit ID# UT22197-04613  
API # 43-047-33195  
Monument Butte Oil Field  
Uintah County, Utah

Dear Mr. Horrocks:

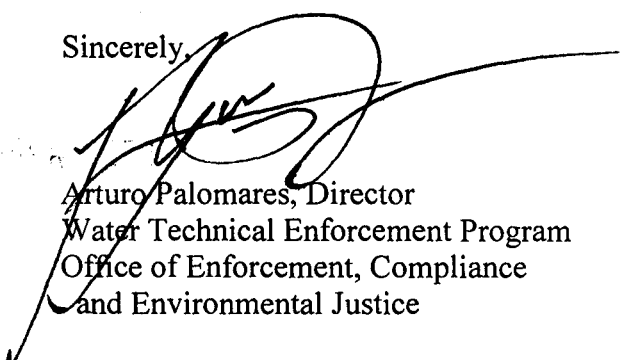
On September 9, 2015, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover to address a tubing leak and the followup mechanical integrity test (MIT) conducted on August 31, 2015. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. § 144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before August 31, 2020.

Pursuant to 40 C.F.R. § 144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. § 300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Gary Wang at (303) 312-6469. Please direct all correspondence to the attention of Gary Wang at Mail Code 8ENF-UFO.

Sincerely,



Arturo Palomares, Director  
Water Technical Enforcement Program  
Office of Enforcement, Compliance  
and Environmental Justice

cc: Gary Wang  
UFO  
UFO

cc:

YUHO 4190011 707  
Shaun Chapoose, Chairman, Uintah & Ouray Business Committee  
Edred Secakuku, Vice-Chairman, Uintah & Ouray Business Committee  
Reannin Tapoof, Executive Assistant, Uintah & Ouray Business Committee  
Brad Hill, Utah Division of Oil, Gas and Mining